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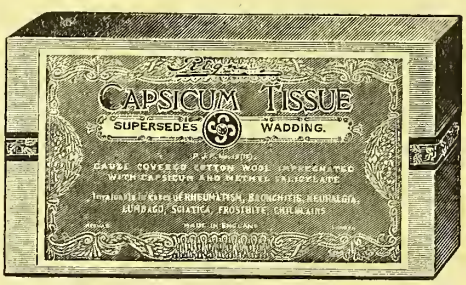

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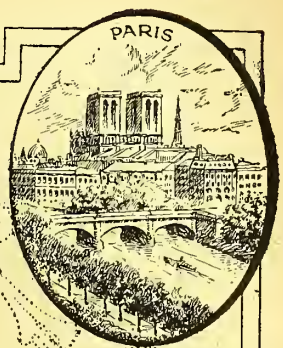

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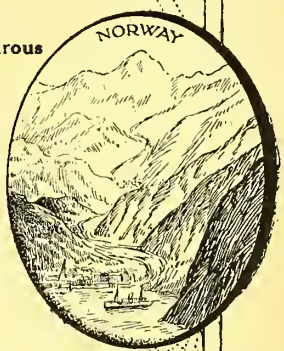
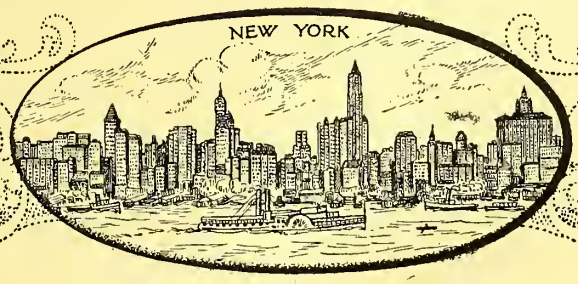


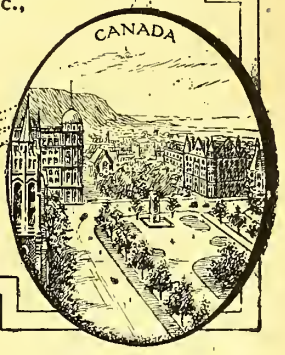
R. W. Greeff & Co.

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyd's Bank Buildings,
King Street.

NEW YORK AGENTS
R. W Greeff & Co., Inc.,
78, Front Street.





SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address, "JOB LIVERPOOL." Tel. [illegible] CENTRAL.

[illegible] ST. JOHN'S, N.F. Established 1789.

"John Bull"

MALT EXTRACT

IS THE BEST!!!

Wholesale & Export Only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

These Attractive CALENDARS FREE

for distribution amongst your customers

We still have a few of these neat, artistic little calendars left for free distribution to ENO customers. Their dainty shape (the illustration is exact size) makes them suitable for pocket or pocket book, and they form a most useful and acceptable little gift for your customers. They are packed in lots of 50 and 100, and every Eno retailer who has not received a supply should apply at once for his parcel, as inquiries must of necessity be dealt with in strict rotation.

These latest additions to the artistic advertising material that has been distributed by Eno for fifty years are particularly refined and pleasing.

Applications for all advertising material should be addressed :

Sales Manager,
J. C. ENO, Ltd.,
"Fruit Salt" Works,
London, S.E. 14.

The words "Fruit Salt" are our registered Trade Mark, and have been known for half a century to mean the preparation of J. C. Eno, Ltd. It is often referred to shortly as ENO. It is an infringement of our rights to use the title "Fruit Salt" for any preparation but our own.

FREE— to all Chemists:

A NEW HIGH-CLASS SHOWCARD

ARRESTING & DISTINCTIVE

The highly decorative "Cut-out" illustrated below will be sent to you free on request. Its colourings are striking and attractive, and the novelty of its design makes it a most effective display. I measures 12″ × 8″, is printed in 8 colours, varnished and strutted at back for counter or window.

Apply : Sales Manager,
J. C. ENO, Ltd., "Fruit Salt" Works, London, S.E. 14

ENO's FRUIT SALT

D'you Remember your Cramming Days?

The days when you "swotted" hard—and spent much time and money—er, let's see—for what?

Was it in order to hand out "patents" at a "profit" that is theoretical but not real? No! A thousand times, no!

Very well, then. Why not make your denial as effective as it is sincere—by joining UCAL? That is a "no" which is heard. Two thousand (and more) can make an *effective* noise—where and when needed.

Events are moving; the voice of UCAL is becoming the voice of the Pharmacist.

And then? Well, you know what Asquith said!

ucal
The Sign of Reliability

UCAL, Cheltenham.

Maw's Page

The Threatened Epidemic

I HOPE I am not boring, but I am never tired of preaching the gospel of prevention.

Even in these enlightened days when children coming home from school lisp the word "Hygiene" after the morning health lesson, it seems to me that there is still a spirit of *laissez faire* abroad in the matter of the prevention of ill-health. There are too many people who only think of calling upon resources of medical science after the mischief has occurred.

I have heard people say, "Oh, I am not ill enough to take medicine." What an extraordinary line of logic this is—truly incomprehensible.

I am constrained to these remarks because of the memory of the havoc which the influenza epidemics wrought during the winter of 1918.

Now here is an instance where the chemist and druggist can give valuable public service. We want campaigns everywhere to make people realise the importance of taking preventive measures. Why wait for 'flu when it is so simple a matter to keep the dread complaint at bay.

The simple douching of the nose and throat with a disinfectant would, if generally adopted, have decreased the mortality in the previous epidemic by a great percentage.

Let every chemist use his window and his personal eloquence in an educative campaign for preventive measures, and 'flu will not catch the people unprepared.

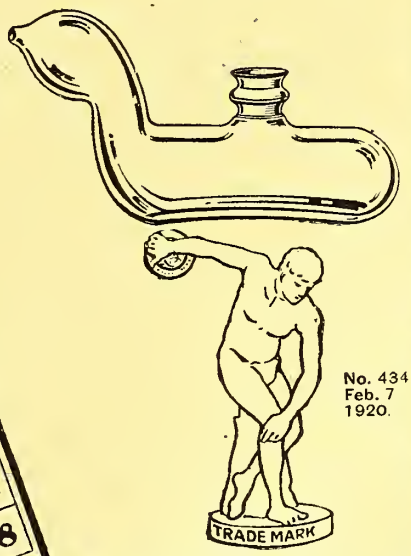
Writing to the "Morning Post" Dr. Octavia Lewin says, "The importance of nasal hygiene cannot be over-estimated, as the nose is the chief and only permanently open portal for the entry of outside air."

Let the "House of Maw" help you to meet the demand for Sprays, Atomizers, Inhalers, Douches, and Inhalants.

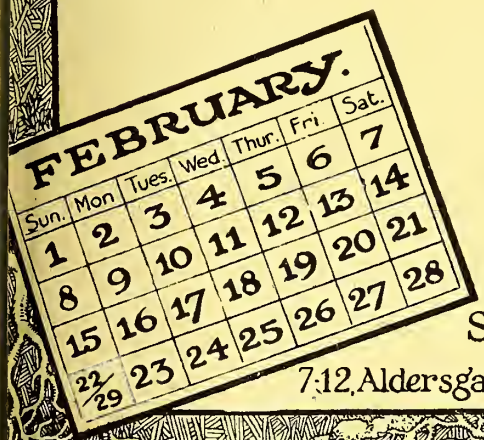
Discus

MAW'S Aseptic All-Glass Nasal Irrigator is acknowledged the simplest and most effective method for introducing all classes of liquids into the nasal organ. Each in carton.

PRICE **7d.** EACH.
6/- PER DOZ.



No. 434
Feb. 7
1920.



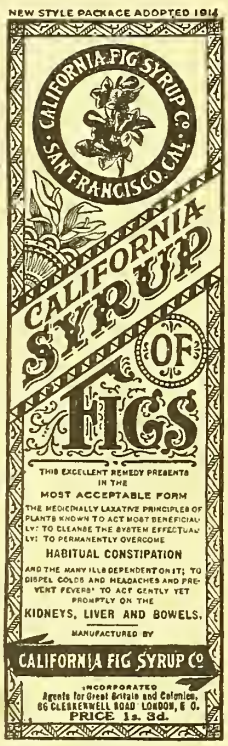
S. MAW, SON & SONS, LTD
7-12, Aldersgate St, London, E.C.1, England.

Maw's—"The House of the Moment."

WITH ample stocks available of CALIFORNIA SYRUP OF FIGS, we are prepared to execute orders promptly in the two sizes, protected face value, 1/3 and 2/-.

Replenish your Stock of

CALIFORNIA SYRUP OF FIGS



As a further guarantee of the genuine remedy sold under the brand CALIFORNIA SYRUP OF FIGS the registered trade mark "CALIFIG" is imprinted on each package, and embossed on the bottle itself.

The Original and Genuine.

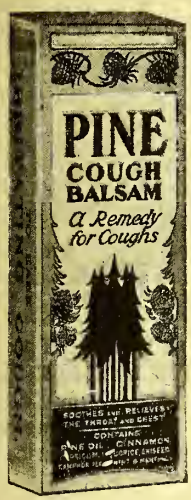
The extensive advertising campaign has increased the demand for this well-known Family Laxative, and we urge you to keep your stocks well maintained.

California Syrup of Figs is an ethical preparation and gives a greater satisfaction to customers than any other similar laxative. It is endorsed by the Medical Profession and can be recommended with confidence.

Sells freely and gives satisfaction.

FASSETT & JOHNSON, LTD., 86, Clerkenwell Road, London, E.C.1.

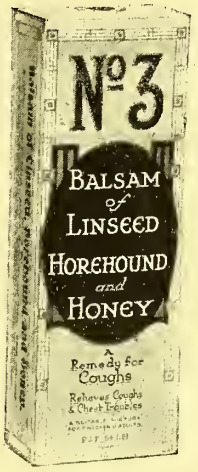
NOW IS THE TIME TO DISPLAY COUGH MIXTURES



BALSAM OF Linseed, Horehound and Honey

This well-known mixture has a tremendous sale and is a great favourite with the pub.ic. We pack three different designs in two sizes, 3-oz. and -oz., retailing at 1/- and 1/9. Good show matter with all orders.

3-oz. size, **7/6** doz. in gross lots.
7/9 doz. in smaller quantities.
6-oz. size, **11/6** doz. in gross lots.
11/9 doz. in 6-doz. lots.
12/- doz. in 3-doz. lots.



PINE COUGH BALSAM

Packed in two sizes, 3-oz. and 6-oz. panelled bottles. This pack makes a fine display when shown with Pine Tablets.

WHITE PINE COUGH SYRUP

A mixture made from a special and uncommon formula, agreeable to the taste and soothing. Two sizes, 3-oz. and 6-oz. Write for further details and a sample.

FORMALIN Throat TABLETS

Packed in wedge-shaped am er bottles. Very attractive labels, artistic showcards and outers with all orders. Usual retail price 1/-

6/9 per doz. in gross lots.
7/- per doz. in smaller quantities.

Cinnamon Tablets packed in a similar style at the same prices.

We can supply Saccharin Tablets by return post. Full strength, 9/- dozen, packed in envelopes.

W. B. Cartwright, Ltd

RAWDON near LEEDS

Australia—
297-299 Castlereagh Street, SYDNEY.
326 Flinders Lane, MELBOURNE.

New Zealand—
161 Hereford Street, CHRISTCHURCH.
Wright's Buildings, Port St., AUCKLAND.

Another Influenza Epidemic is threatened

Are your stocks of Cold and Influenza Tablets sufficient to supply the tremendous demand for these remedies, which a further epidemic would bring ?

Another question is Price ! The price to-day of Quinine is trembling in the balance, and a further rise may come at any time, which would immediately affect the cost of these Preparations.

To-day we can promptly fill your orders for any of the following lines :—

Phosphorus & Quinine Tablets

Nicely packed in decorated tin boxes, each containing 36 Tablets.

Per dozen, **4/9** ; per gross, **54/-**

Cold Cure Tablets

Conveniently packed in a flat tin box suitable for the vest pocket, 20 Tablets in each box.

Per dozen, **4/9** ; per gross, **54/-**

Cinnamon Influenza Tablets

Containing Menthol, Formalin, Acid Benzoic, Acid Citric, Ol. Cinnamon.

Screw-cap bottles, 25 Tablets in each bottle.

Per dozen - - - - - **4/3**

Ammoniated Quinine Tablets

25 Tablets, each containing ½-dram, in screw-cap bottle - - - per dozen, **6/3**

25 Tablets, each containing 1 dram, in screw-cap bottle - - - per dozen, **8/6**

Cinnamon & Quinine Tablets

in flat screw-cap bottles, 25 Tablets in each bottle.

Per dozen - **7/-**

AYRTON, SAUNDERS & CO. LTD

Wholesale Druggists **LIVERPOOL**

AYRTON'S WEEKLY PAGE 15

Shaving Brushes

Guaranteed free from Anthrax Germs.

The "CULMAK." These brushes embody an entirely new idea in Hygienic construction. In place of the ordinary bone or wood socket, the bristles are firmly cemented in a *non-porous Porcelain* socket, which does not hold or absorb germs, keeping the brush thoroughly *Sanitary* at all times.

The Porcelain socket and handle are fitted with rubber cushions which prevent breakage. The bristles are of the finest quality obtainable and are guaranteed to hold fast.

	Sterling Series— Finest white hog hair.			Standard Series— Mixed badger hair.			Perfection Series— Best mixed badger hair.		
WHOLESALE, per dozen	Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
	36/-	48/-	60/-	36/-	48/-	60/-	65/-	92/-	118/-
RETAIL, each	4/6	6/-	7/6	4/6	6/-	7/6	8/-	11/6	15/-

AYRTON, SAUNDERS & Co. Ltd. LIVERPOOL.

After 1st February, 1920,

The price of

Virol

will be

	Retail.	Trade.	
Small Size	1/3	13/-	per doz. Less the usual discount.
Medium Size	2/-	21/-	" " "
Large Size	3/9	40/-	" " "

VIROLAX

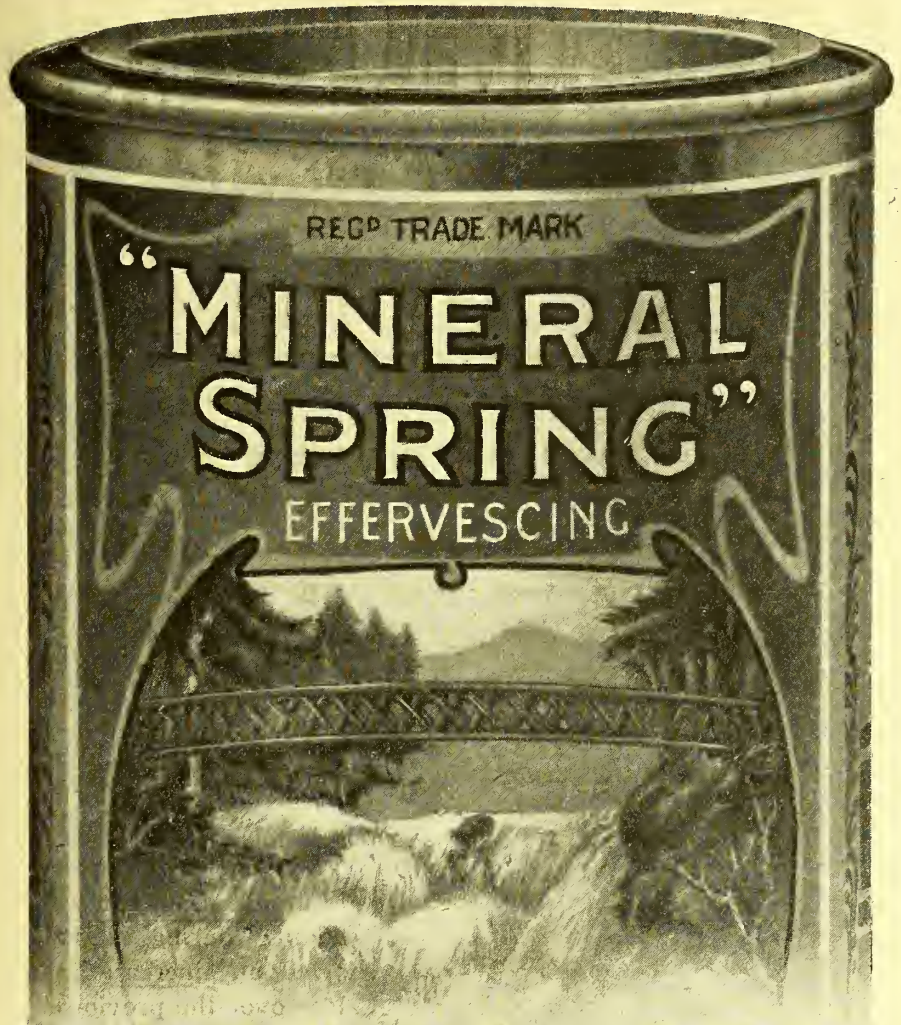
	Retail.	Trade.	
¼-lb. Size	1/-	10/-	per doz. Less the usual discount.
1-lb. Size	2/8	27/-	" " "

New Orders can only be accepted
— at the terms stated above. —

ACCORDING to the Board of Trade figures the retail prices of the chief articles of food are now 134% higher than in July, 1914. The increase in the retail price of Virol since July, 1914, is only 28%.

VIROL, LIMITED,

148-166 Old Street, London, E.C. 1.



THE SALT THAT STANDS ALONE

"Mineral Spring" Health Granules are unique in many ways—in the size and brilliant colouring of the tins; in the crisp and sparkling effervescence, the medicinal activity and admirable keeping qualities of the contents; and in the trading conditions which allow a generous protected margin of profit and restrict the sale to Chemists and Druggists only.

"Mineral Spring" Health Granules are packed in two sizes, retailing at 1/- and 2/- respectively. There is now no rationing of supplies, but early ordering is desirable.

THOMAS KERFOOT & Co LTD,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

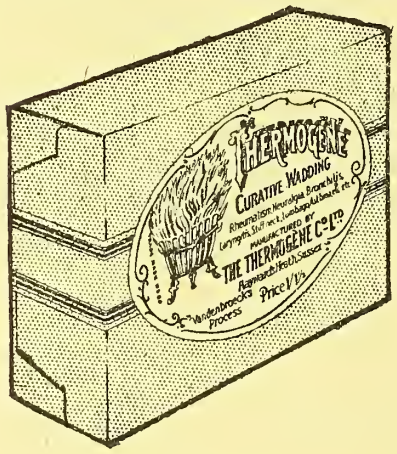
COPYRIGHT

THERMOGENE

Nature's First Aid.

An Apology.

OWING to an error in passing the proof which was built up from a preceding advertisement, the mention of "Special Bonus Terms" in our announcement of January 31st was made in error. We therefore take this opportunity of informing Chemists that our "Bonus Terms" are discontinued for the present season, and we regret exceedingly that the mistake occurred.



THE demand for Thermogene Curative Wadding during 1919 showed an increase in Sales—over the previous best year (1918)—of 800,000 Boxes.

Look for the Orange-Coloured Box in the Chemists' windows.

WRITE for Terms to:—

The Thermogene Co., Ltd.

Haywards Heath, Sussex.

FASSETT & JOHNSON,
86 Clerkenwell Road
London, E.C.1.

CG&Co Ltd TRADE MARK

Plasters

We invite applications for copies of our new Price List for Plasters which indicates the range of lines we manufacture, including:

ADHESIVE. Rubber Combination. Spools, tins, or rolls.

POROUS. All kinds.

MARGINAL. A full range.

MUSTARD. On cloth or paper, in envelopes or tins.

ZINC OXIDE. Spools or tins.

COURT PLASTERS on cloth or silk. Plain or perforated etc. etc.

CUXSON, GERRARD & CO. LD.
OLDBURY, near BIRMINGHAM.

Export and Colonial inquiries specially invited.

N. V. Chemische Fabriek "Naarden"

Bussum, Holland.

MANUFACTURERS OF AROMATIC CHEMICALS, FLOWER OILS & TERPENELESS ESSENTIAL OILS.

Aldehydes, C8-C14	Coumarin, 100%	Lily of the Valley
Benzyl Benzoate	Diphenylmethane	Methyl Anthranilate
Bromstyrol, 100%	Geraniols, Specialities	Musk Xylol
Citral	Geranium Bourbon, Synth.	Paracresol Methylether.
Cinnamic Aldehyde	Lavender Oil, Synth.	Flor Rose d'Orient

STOCKS IN LONDON.

Please apply to our Sole Agents for Quotations and Samples—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2.

Telephone: City 4719. Telegrams: "Gerbromco, Cent, London."

Cresp-Martinenq

(Grasse, France),

Manufacturers of

ESSENCES & PRIME MATERIALS for MANUFACTURING PERFUMERS, CONFECTIONERS, ETC.

SYNTHETICS

ARTIFICIAL VIOLETS (MYRIONE)

Artificial Musk

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.
98/104 OAKLEY STREET,
LONDON - S.E.1.

Agents for the UNITED KINGDOM & CANADA.

AMERICAN

ESSENTIAL OILS

"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD OIL HEMLOCK
OIL CEDARLEAF OIL BIRCH

Heliotropine Crystals C.P.
Vanillin C.P.
Coumarin C.P.
Oil Wormseed, American.
Oil Wintergreen Leaf U.S.P.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,

NEW YORK - - U.S.A.

Cables—"MAGLAUR."

Stocks of **OLIVE OIL** are very short

and it is exceedingly difficult to get further supplies owing to export restrictions.

Cover your requirements at once.

Finest French. The best quality on the market.

Finest Spanish. Cream Edible.

Finest Pharmaceutical B.P. Under 3% acidity.

Prices are rising, and in accordance

CASTILE SOAPS

will be dearer. We can offer

WHITE B.P. MOTTLED

LOWEST PRICES. HIGHEST QUALITY.
STRICTLY WHOLESALE. SAMPLES, PRICES
AND FULL PARTICULARS ON APPLICATION.

F. CHIESMAN & CO.,

59 ST. MARY AXE - LONDON, E.C.3.

Telegraphic Address: "PALUSTRIS, LED, LONDON."
Telephone: - AVENUE 63 (2 lines), 6994.

AND AT LIVERPOOL, GLASGOW, BRISTOL, ETC.

PURE SPANISH ESSENTIAL OILS.

SPIKE LAVENDER

PENNYROYAL

SEND YOUR ENQUIRIES TO

THE ACTUAL IMPORTERS

SWEET FENNEL

BITTER FENNEL

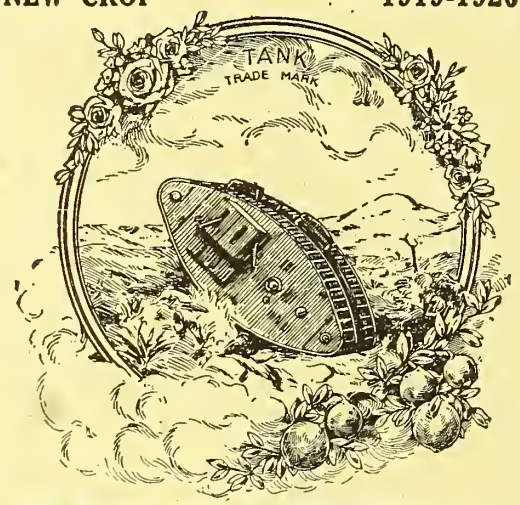
LONABARC TRADING COMPANY LTD.

5 FINSBURY SQUARE,
LONDON, E.C. 2.

PHONE: LONDON WALL 9020.

GRAMS: "LONABARC, FINSQUARE, LONDON."

NEW CROP 1919-1920



PURE ESSENTIAL OILS

TERPENELESS ESS. OILS

BERGAMOT
SWEET ORANGE,
BITTER ORANGE,
LEMON, MANDARIN,

NEROLI "D'ITALIA"

The Best on the Market.

EXPORTATION THROUGHOUT THE WORLD

Export Agent:

Giuseppe Macajone, MILAN
Via Canova 25 (Italy).

G. W. SPARKE,

Milan Rome Turin

and

77 Chancery Lane

LONDON, W.C. 2

Telephone: Holborn 4845.

CREAM OF TARTAR
99½ per cent.

TALCUM POWDER

FLORENTINE ORRIS ROOT

ITALIAN OLIVE OIL

ESSENTIAL OILS
etc. etc.

Write for Quotations.

CHLOROPHYLL

(Soluble Oil, Fat)

ALWAYS IN STOCK.

WRITE FOR QUOTATIONS AND SAMPLES

MANUFACTURERS:

HIEGENTLICH & ROSE,

15 Alberdink Thymst, Amsterdam.

PARFUMERIE PACAUT et CIE

De Grand Luxe *PARIS.*

Registered Trade Mark

Produits Scientifiques d'Hygiene et de Beaute.

¶ The House of Pacaut et Cie of Paris beg to announce that their famous S.H.Y.B. Products are now available for the English Market, and that their general representative for the U.K. (René Paindessous) is now carrying stocks of all their leading lines in London.

¶ The S.H.Y.B. Parfumerie of Pacaut et Cie is a scientific production, distilled from the choicest blooms, and possessing the charm of bouquet and fragrance associated only with the most highly distilled scents.

¶ Please write for particulars and price list of the many varieties of perfumes. Exceptionally good trade terms. A large public demand is being created by press advertising.

¶ OTHER PACAUT PRODUCTS.—Pâte Dentifrice, Crème pour Visage, Poudre de Riz, Savon, Eau de Toilette, Lotion pour Cheveux.

WHOLESALE ONLY.

RENÉ PAINDESSOUS (General Representative for the U.K.)

PREMIER HOUSE, 150 Southampton Row, LONDON, W.C.1.

TELEPHONE: MUSEUM 1178.

SICILIAN

LEMON - BERGAMOT
ORANGE - MANDARINE.

SPINELLI

THE OILS THAT HAVE A LONG REPUTATION FOR QUALITY.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any :: :: :: analysis as to purity. :: :: ::

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1

A B C Code, 5th Edition
Western Union.

Telegrams: "LANDSLOH, LONDON."
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniper Berry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CITRAL

EUCALYPTOL

CINNAMIC ALDEHYDE

GERANIOL

HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

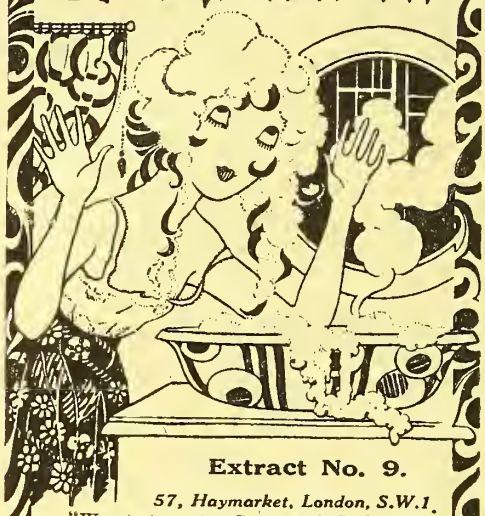
A B C Code (5th Edition). Western Union.

Telegrams: "LANDSLOH, LONDON." Telephone: HOP 898.

***AMERICAN AGENTS*—O. A. BROWN CO. INC., 99-101 Beekman St., New York.**
***CANADIAN AGENTS*—F. S. JARVIS & CO., 18 Toronto Street, Toronto.**

Our Ads. in "Daily Mirror," "Sketch," etc.

THE LETTERS OF AMAMI.



Extract No. 9.

57, Haymarket, London, S.W.1.

"Was just passing Reggie ond Cecil of the Guards in the Park before lunch yesterday lookin' partic'ly dignified when a sudden gust tore my—Oh, Shame! Ignonomy's limit—hat away.

"Dodo, Reggie and Cecil in breathless pursuit, a gallant return—s' quite romantic, what!

"Heard Cecil murmur something about 'wish she would always walk sans chapeau, and the infinite glory of a woman's hair, kissed by the wanton wind.'

"And to think I owe all this to that wonderful little packet of **AMAMI SHAMPOO.**

Yours,
With love an' mem'ries, Amami."

AMAMI SHAMPOOS

They bring back to the hair all its rich natural tints and healthy glossiness, and give the hair that beauty which every woman prizes. Seven Sachets in a dainty box 3/-. Send for a sample Sachet to-day, enclosing 6d. in stamps to—

PRICHARD & CONSTANCE, LTD.,
Court Perfumers,
57, Haymarket, London, S.W.1.
Established 1831.

AMAMI SHAMPOOS

A few Appreciations from Chemists:—

I. **"I stock only 'AMAMI,' Shampoo."**
II. **"'AMAMI' Preparations have always been a good line with me."**
III. **"You allow a very fair margin of profit."**
IV. **"They will sell better at 6d. than at 4½d."**
V. **"'AMAMI' Preparations sell on merit alone."**
VI. **"My wife insists on 'AMAMI.'"**

NOTE NEW PRICES—**3/-** per box. **6d.** Single.
P.A.T.A. as from January 1st, 1920.
TERMS—**40/-** per gross. **24/-** per dozen boxes.
10/- display bonus on £5 orders equals 100% on outlay.

PRICHARD & CONSTANCE (Whol.), Ltd., Court Perfumers
469 HOLLOWAY ROAD, LONDON, N.7.
Established 1831. *Tel. North 3170.*

Another special offer
On February Orders for "OKOS"

¶ If you do not wish to overload your stock, seize this opportunity to secure a bonus on three dozen tins, previously offered only on orders of one gross and over. During February only we are offering

3 doz. tins of "OKOS"
retailing at 7½d. per tin
for 12/-

Packed free, and carriage paid, with showcard for cash with order.

"OKOS" yields
3½d. profit per tin.
10/6 profit per 3 doz.

100 % satisfied customers because "OKOS" is a quality dentifrice, and the largest tin at the smallest price.

THE MIDLAND WHOLESALE
2 REGENT PLACE,
LEAMINGTON SPA.

For INDIAN DRUGS, Roots, Herbs, Indian Minerals and Indian Chemicals, write to us immediately.

Special offer for:—

Ajewan Oil	Chiretta
Anise	Datura
Bael Fruit	Ginger
Belladonna	Kaladana
Cardamon	Kine
Capsicum	Myrabolans
Cinnamon	Nutmeg
Cumin	Nux Vomica
Cloves	Senna
Chaulmoogra	Tamarind
Chaulmoogra Oil	Turmaric
Baryta	Potash Carbonate
Chremite	Potash Chloride
Dalomite	Pyrolusite
Magnesite	

Apply to—

Dr. A. C. BHATTACHARYYA, *Chief Chemist,* **Ph.D.**
Techno-Chemical Laboratory & Works, Ltd.
Konnagar, E.I. Ry. near Calcutta, India.
Phone No. 254 Howrah. Telegrams: "Laboratory, Konnagar."
Code used: ABC, 5th Edition.

NEVILLE'S

EAU DE COLOGNE CREAM

(Vanishing).

WE are opening up our Spring Campaign for the sale of NEVILLE'S Eau de Cologne Vanishing Cream with a big advertising scheme in the London and Provincial Press, and the following **SPECIAL BONUS OFFER** to every Chemist in the Kingdom during the month of February.

100 Per Cent. Profit.

Here are two Bonus Parcels which will prove ready sellers and big profit makers.

£3 Bonus Parcel.

Goods will realise £ s. d.		Goods will cost you £ s. d.
	NEVILLE'S Eau de Cologne Cream (Vanishing.)	
15 0	1 doz. @ 1/3 P.A.T.A. Retail Price	11 3
36 0	2 ,, @ 1/6 ,, ,,	27 0
10 6	¼ ,, @ 3/6 ,, ,,	7 10
	POUDRE NEVILLE PARIS.	
19 0	1 doz. @ 1/7	12 0
16 0	½ ,, @ 2/8	10 0
		£3 8 1
	LESS allowance for window display	5 0
£4 16 6		£3 3 1
	2½% cash discount	1 7
		£3 1 6
19 0	← BONUS 1 doz. Poudre Neville @ 1/7 each	
£5 15 6	**Equal to £2 14 0 Profit on an outlay of £3 1 6, or about 88% Profit on outlay.**	

£5 Bonus Parcel.

Goods will realise £ s. d.		Goods will cost you £ s. d.
	NEVILLE'S Eau de Cologne Cream (Vanishing).	
£2 5 0	3 doz. @ 1/3 P.A.T.A. Retail Price	£1 13 9
18 0	1 ,, @ 1/6 ,, ,,	13 6
£1 1 0	¼ ,, @ 3/6 ,, ,,	15 9
	POUDRE NEVILLE PARIS.	
£1 18 0	2 doz. @ 1/7	£1 4 0
£1 12 0	1 ,, @ 2/8	£1 3 0
		£5 7 0
	LESS allowance for window display	10 0
£7 14 0		£4 17 0
	2½% cash discount	2 5
19 0	← BONUS. 1 doz. Poudre Neville @ 1/7 each	£4 14 7
16 0	½ doz., Poudre Neville @ 2/8 each	
£9 9 0	**Equal to £4 14 5 Profit on an outlay of £4 14 7, or 100% Profit on outlay.**	

Price 1/3 Retail.
Royal Blue, White Shoulders.

Price 1/6 Retail.
Panel jars in marble and in assorted colours (Pink, Blue, Yellow, Green).

Price 3/6 Retail.
Floral pattern, Gilt Lined, also in Tangerine, Royal Blue and Marble.

Order through your usual Wholesaler

or direct from the Sole Producers:

PARFUMERIE NEVILLE (Paris)
WATFORD, HERTS

Telephone: WATFORD 713. **Telegrams: "KISMATUM WATFORD."**

The Tooth Paste with the Odol flavour.

Anglodol

Dental Paste

A Perfect Dentifrice.
Pleasant to the taste.
Profitable to the Retailer.

Retail Price, 7½d. and 1/3.

Window display terms on application.

ANGLODOL, LTD., BERKHAMSTED.

Telephone: BERKHAMSTED 138. *Cables and Telegrams:* "ANGLODOL BERKHAMSTED."

If you have any difficulty in obtaining the supplies you need of

CALVERT'S

Carbolic Tooth Powder

OR

Calvert's Carbolic Soaps

DISINFECTANTS and other SPECIALITIES,

WRITE TO

F. C. CALVERT & CO.
MANCHESTER - - ENGLAND.

MOUSLEY'S

"BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality Brown Fur, 3/11 each, Retail.

G. quality Grey Fur, 4/6 each, Retail.

Additional Powder Bags, 6d. each, Retail.

Revolution in Powder Puff Manufacture.
Thousands already sold.
Now stocked by leading Wholesale Houses.
Usual Trade Discounts.

Patentee and Sole Manufacturer:

F. A. MOUSLEY,
Priest Bridge, Mortlake, London, S.W.14.

Think it over!

THESE ARE JUST THE LINES YOU WANT.

"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.

"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size ... Cost 4/6 per dozen Sell @ 7½d.
Large Size ... „ 8/- „ „ „ @ 1/3

Recommended by the Institute of Hygiene.

"LEONA" CREME DE BEAUTE

Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

"LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

POUDRE "LEONA"

Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

Every Line is a work of art.

Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

Sole Manufacturers and Proprietors—

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C. 1.

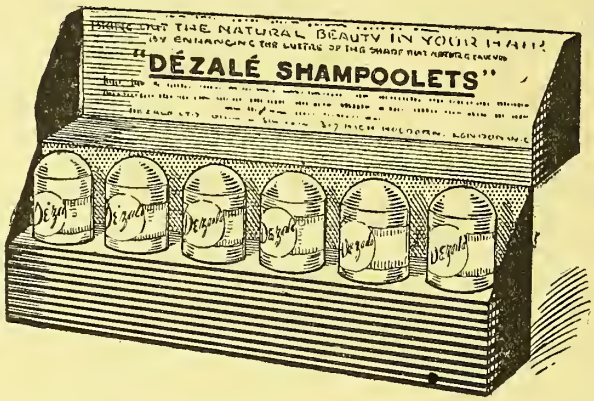
SOMETHING NEW that SELLS ITSELF!

We are going to advertise this line extensively. Order a stock now so that when your customers ask you for

"DÉZALÉ SHAMPOOLETS"

you will be able to supply them.

10d. each
RETAILS
1/3 each



3/8 per box of 6
RETAILS
5/6 per box

Special bonus for window displays. List on application.

Other DEZALE Specialities in the course of preparation. Orders to the value of £2 sent post free.

DÉZALE, LTD. - Showrooms and Offices, 317 High Holborn, W.C. 1.

Phone: HOLBORN 1350.

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere

Established 1883.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

CRYSTALLISED CREAM
1/9 2/6
Trade Mark attached to each bottle.

Jackel et Cie (of Paris) Ltd.
Sauchiehall Street
GLASGOW

DEVELOPING. PRINTING. ENLARGING.
PRICE RIGHT. QUALITY RIGHT. SERVICE UNEQUALLED.

All work returned within 24 hours. Enlargements 3 days. Send for Trade Terms.

OUR NEW WORKS ARE NOW COMPLETE AND RUNNING.

PROMPT DELIVERIES GUARANTEED.
JOIN THE LIVE DEALERS' SERVICE.

Wallace Heaton Ltd.
INCORPORATING WATSONS CAMERA HOUSE

17-27 CHANGE ALLEY, SHEFFIELD.

Phone: 27, 255 & 3390. Grams: "ZODELLA, Sheffield."

PUFFS!

HANDKERCHIEF, Down, Silk, from 14/6 doz.
BAG, Down, Sateen, from 8/- doz.
" Wool, Sateen, " 3/9 "
" Down, Silk, " 7/3 "
" Wool, Silk, " 5/9 "

LARGE VARIETY—SEND FOR LISTS.

WILLIAMSON BROS.
54 LOWER THAMES ST., E.C. 3
Phone: AVENUE 5827.

BONUS OFFER for Window Display

RAYMET SHAMPOOS and CRÊME RAYMET

	£	s.	d.
1 gross 3d. Raymet Shampoo .... (2×6 doz. outers)	1	0	0
½-doz. 3/6 Crême Raymet at 28/- .... (2×½-doz. outers)		14	0
	1	14	0
Allowance for Window Display		4	0
Carriage Paid. Monthly Account	1	10	0

A 30/- parcel realises

£2 . 12 . 0

These Two Articles make an Attractive Window Display.

RAYMET & CO., Ltd. 507/509 Harrow Rd. LONDON - W. 10

105% Profit

An appealing set of 1/- Toilet Articles. Quality and high-class get-up warrants entire satisfaction and repeat sales.

THE SERIES

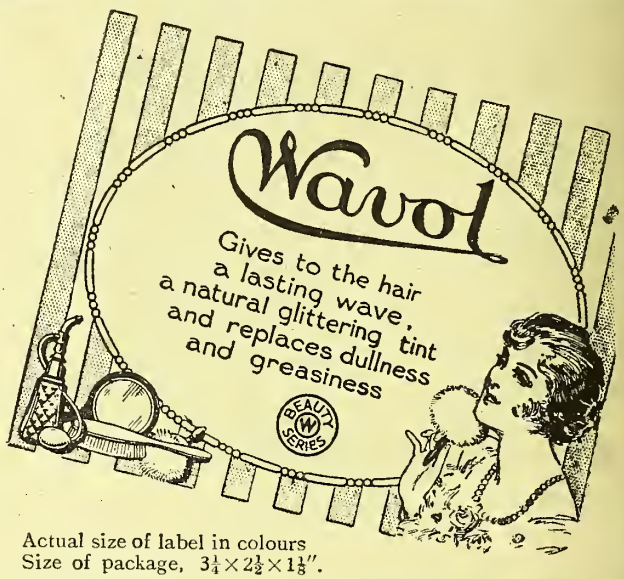
WAVOL—Produces wavy hair
DERMALIN — A complexion beautifier
EYE-BRIGHT—An eye-brightener and tonic
CILOCIN—An eyelash food
DE-ODOR—Perspiration deodorant
COLORET—A perfect complexion tint

Minimum Retail for each is 1/- Price 6/- doz., less 5% cash with order. Carriage Paid on 6 dozen upwards.

A Chemist 'phones: "Sold out; send another gross at once."

Orders executed in rotation.

SCOTT'S CHEMICAL CO.
47 Huddlestone Road,
WILLESDEN, N.W. 2



Actual size of label in colours
Size of package, $3\frac{1}{4} \times 2\frac{1}{2} \times 1\frac{1}{8}$".

250 PER CENT. PROFIT

An unprecedented offer made with a view to more business with you.

"CINEMA"

Crushed-Rose

FACE POWDER

Copyright in all countries by the "Cinema" Soap Co., London.

Send your Cheque for £2 . 2 . 0 for one gross of 6d. "Cinema" Face Powder and we will send you free of charge one gross of 6d. "Cinema" Dentifrice, complete with sale cards, carriage paid.

£7 . 4 . 0 for £2 . 2 . 0 **DO NOT MISS THIS OFFER.**

Never before in the history of advertised proprietaries has such an offer been made. There is only one condition, that is, you MUST promise when sending your cheque NOT to cut the selling price of 6d. We do not allow cutting.

This offer is for a limited period only. Cross cheques and make them payable to—

THE "CINEMA" SOAP CO. (Desk 16)
22 Finsbury Park Road - - LONDON, N. 4.
Phone: 3150 Mayfair.

Icilma Current Price List

—in force since January 1st, 1920.

	Advertised Price	Minimum Retail.	Per doz.
*Icilma Cream—in pots only	1/3	1/3	12/-
(If available) large pots	2/-	2/-	19/-
*Icilma Flesh Tinted Cream—pots ...	1/9	1/9	16/6
*Icilma Shampoo Sachets (Wet Shampoo)			
Box of seven 3d. packets	1/6	1/6	14/3
Counter box of 2 dozen 3d. packets ...	(3d. per pkt.)		52/-
Outers of 6 dozen 3d. packets	(3d. per pkt.)		150/-
*Icilma Hair Powder (Dry Shampoo)			
Original round boxes	2/3	2/3	21/-
Box of seven 3d. packets	1/6	1/6	14/3
Counter box of 2 dozen 3d. packets ...	(3d. per pkt.)		52/-
Outers of 6 dozen 3d. packets	(3d. per pkt.)		150/-
*Icilma Nail Polish Powder	9d.	9d.	7/-
Icilma Natural Water	1/3	1/3	12/-
" " " large size	2/-	2/-	19/-
" " " pocket bottle ...	9d.	9d.	7/-
Icilmine—in tubes	1/3	1/3	12/-
" in glass jars	4/6	4/6	43/-
Icilma Cold Cream	1/3	1/3	12/-

	Advertised Price.	Minimum Return.	Per doz.
Icilmaline	1/3	1/3	12/-
Icilma Soap "Unscented"... ...per tab.	9d.	9d.	7/-
" " "Bouquet" ... "	10½d.	10½d.	8/4
" " "Natural Water" "	1/3	1/3	12/-
Icilma Hair Lotion	1/6	1/6	14/3
" " " large size	2/6	2/6	24/-
Icilma Tooth Powder	9d.	9d.	7/-
Rosee Icilma	5/-	5/-	47/6
" " sample size	1/6	1/6	14/3
Icilrose	2/6	2/6	24/-
" sample size	1/6	1/6	14/3
Icilma Poudre de Riz (Violet Scented) in 4 shades—White, Rose, Rachel, Natural, per box	2/6	2/6	24/-
Ditto ... . per large box	4/-	4/-	38/-
Amel Jelly	1/3	1/3	11/6
" " with attachment	2/-	2/-	19/-
Massage Charts	6d.	6d.	4/-

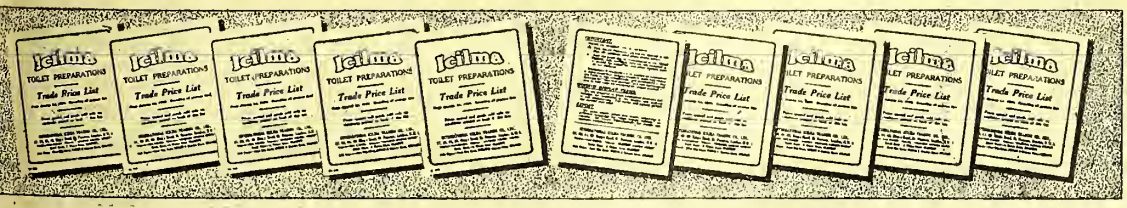
*LEADING LINES ARE NOT EXCHANGEABLE. NO GOODS ON APPRO. OR "SALE OR RETURN."

Generous Profits on Display Parcels are offered to retailers who *buy* and *show* Icilma Toilet Preparations. These display parcels—with which we send our new series of striking showcards, etc., for your window show—give the highest profit of any nationally advertised toilet article. *List and terms post free.*

Icilma

Toilet Preparations

International Icilma Trading Company, Ltd., 37, 39, 41, 43, King's Rd., St. Pancras, N.W.1.



T. 23. 7.2.20

EVAN WILLIAM'S ORIGINAL Henna Shampoo

Your Customers will insist on the

Evan Williams' HENNA SHAMPOO

having been taught by experience. Are you ready to meet their demands? Stock moves freely at a handsome profit.

Full particulars are included in The SHAMPOO SALESMAN, which is sent free on request.

The **EVAN WILLIAMS CO., LTD.,**
18 & 18a, Onle St., Foley St., London, W.1.

A strong counter line

Women are usually your best customers and make the most of the purchases. It is always profitable, therefore, to suit their requirements.

At the moment Women are taking greater ca e of thei personal appearan e, and more particularly to the care of their hair, than ever before in history.

If you stock Camilatone specialities you will develop a big Counter trade with the lad es, for it will restore dark or dull hair to its original be uty and glossiness, in fact we can say without exaggeration that it will give to w omen s hair all the lorious tints of youth.

Write to-day for a copy of the booklet "Hair Beauty Hints," which will be sent post tree with full par ticulars and Trade Terms for our specialities, including Camilatone Tonic Shampoos.

CAMILATONE

Puts Sunshine in the Hair

IT IS SIMPLE TO SELL, SHOWS A GOOD MARGIN OF PROFIT, WE ASSIST YOU IN DEVELOPING THE BUSINESS, AND HELP YOU WITH OUR VIGOROUS ADVERTISING.

CAMOMILE TONIC CO.
Dept. C, 16 Lichfield Road, N.W. 2.

CL7220

Fire

fortunately only destroyed one of our factory buildings on January 20, and we have been able to transfer the staff to another building where we shall carry on the making of Anzora Cream and Anzora Viola pending re-building.

To-day our output is normal again.

You will be able to get your supplies as usual

Anzora Cream is the ideal preparation for greasy scalps, and Anzora Viola is the most suitable for dry scalps.

Showcards on request. Of all Wholesalers. *Trade Terms on request.*

ANZORA

Masters the Hair.

Anzora Perfumery Co., Willesden Lane, London, N.W.6.

Exclusively for Chemists

PRICE'S ZINCO-CREAM SOAP

IN BLACK AND AMBER PACKAGE

Reserved exclusively for Chemists.

Price's Zinco-Cream Soap

has proved to be a popular, profitable and ready-selling article.

The Composition of

Zinco-Cream Soap

(Oxide of Zinc, Sulphur, and Lanoline)

renders it most suitable for Nursery use and for the treatment of delicate and sensitive skins.

In 3, 6 & 12 Tab. Boxes.

AN IDEAL SPRING TOILET SOAP.

With a most effective showcard.

Further details on application, with sample if desired.

PRICE'S Battersea, LONDON.S.W.11.

Gibbs Advertising wi Benefit YOU

The phenomenal success of our new advertising campaign has exceeded even our optimistic expectations. Probably you have felt the effect already.

Besides extensive Press advertising in national and local media, the Gibbs campaign includes a special instructive scheme which hundreds of teachers are using in the schools, encouraging the pupils, and through them the parents, to care for their teeth and visit the dentist. Samples of Gibbs Dentifrice are distributed to the teachers and pupils. There is also a scheme for the dentist, introducing the powerful medical arguments for the use of Gibbs Dentifrice, and supplying the dentists with samples for distribution amongst their patients. *In each case the ensuing sales will be made by you.*

Successful advertising cannot stand still—it must advance. The effect is cumulative, the records of one month are always beaten by the succeeding month. See that you hold good stocks of Gibbs Toilet Series to meet inevitably increasing sales.

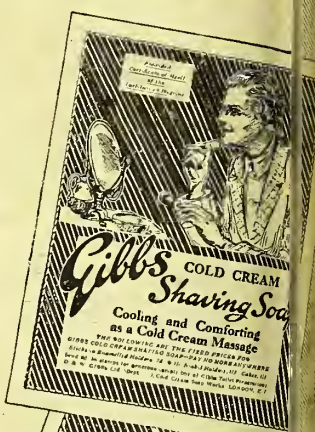
Gibbs February Announcements will appear in these influential media

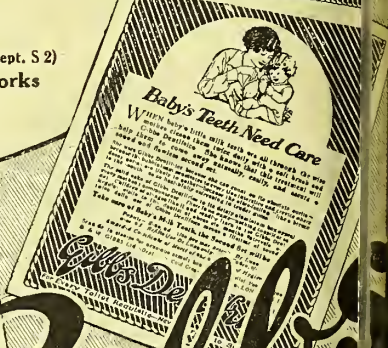
Daily Mail *Daily Mirror* *Daily Sketch* *Daily Chronicle*
Evening News *Punch* *John Bull* *Passing Show*
London Opinion *Vogue (2 colours)* *Pan (2 colours)*
Manchester Evening Chronicle
Newcastle Evening Chronicle
Yorkshire Telegraph and Star
Yorkshire Evening Post
Cardiff Evening Express
Glasgow Evening Times
Edinburgh Evening Dispatch
Dundee Evening Telegraph

The Advertisements illustrated here comprise only a few of those appearing this month. Watch for the March Adverts.

Appealing to upwards of TEN MILLIONS of readers throughout the United Kingdom.

D. & W. GIBBS Ltd. (Dept. S 2)
Cold Cream Soap Works
LONDON, E.1





Gibbs

THE ONLY POPULAR SHILLING FACE CREAM ON THE MARKET

Ven-Yusa Cream

IS STILL ONE SHILLING.
GIVES YOU 33⅓% PROFIT ON SALE
BEST TERMS FOR **50/-** PARCEL

DAINTY AND ATTRACTIVE FOR THE COUNTER.

BEAUTIFUL SHOWCARDS SUPPLIED.

Any War Packages (Plain Corks) exchanged Free of Cost.

Write for Window-Show Terms to

C. E. FULFORD, Ltd.

CARLTON HILL, LEEDS.

WHOLESALE AND EXPORT ONLY SUPPLIED.

PUFFS. COMBS. PUFF-BOXES.

Caustic Pencils. Capping Skins.

Best French Cutlery. Turnery Articles.

All Manicure Requisites.

THEO. VAN DER HEYDEN 118-122 Holborn, E.C. 1 and 17 Rue de la Grange-Bateliere Paris.

PHONE: HOLBORN 1873.

LONGCROFT'S

SPECIALISE IN

White Flint TABLET BOTTLES

COMPLETE WITH METAL CAPS.

BOOK NOW FOR PROMPT DELIVERY

INQUIRIES ESTEEMED FOR

VIALS, PANELS, MEXICANS.

HERBERT M. LONGCROFT & CO, Ltd.

16 Clerkenwell Road, LONDON, E.C. 1.

The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

J. KNOX-WALKER & Co.. Ltd., 422 Kingsland Rd., London E. 8.

MECHANICAL DENTISTRY.

To INCREASE YOUR PRACTICE send your Work to

A. G. FENTIMAN.

Every case executed under personal supervision, thus facilitating fit and giving complete satisfaction. Send for price list, &c., to (the only address)

A. G. FENTIMAN, Ltd., 190 BISHOPSGATE, LONDON, E.C. 2.

Telegrams: "Fentident, Ave, London." Telephone: London Wall 7.

GOOD PROFITS

ON

KEENOLIA

SPECIALITIES

		Trade Price	M.R.
Chilblain Balm	In three size as advertised.	11/-	1/3
		15/-	1/9
		21/-	2/6
Hair Cream	4 oz. 7/-	8 oz. 12/-	per doz.
Toilet Paraffin	4 oz. 9/-	8 oz. 13/-	,,
Bay Rhum	4 oz. 8/-	8 oz. 12/6	,,
Eau de Quinine	4 oz. 9/-	8 oz. 13/-	,,
Brilliantines	1½ oz. 6/-	2½ oz. 7/6	4 oz. 10/-

Special Prices for quantities on application to the Manufacturers:

Ormside Chemical Co., Ltd.,

57 POLAND STREET, LONDON, W.1

SALES

BEAT ALL RECORDS.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.

LASTING & FRAGRANT.

PERFUME BRICK

FOR LINEN CUPBOARD AND WARDROBE.

On the P.A.T.A.

Retail Price 6d.

Of the Makers:

WILLIS, LOW & DRUIFF, LTD.,

6 Mortimer St., London, W.

AND ALL WHOLESALERS.

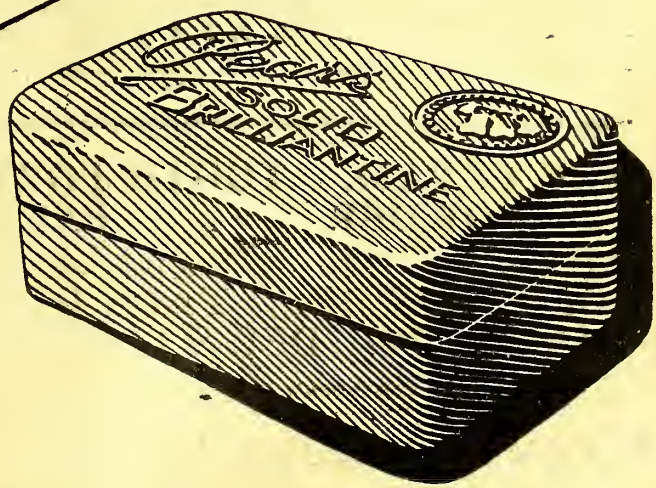
Pears' SOLID BRILLIANTINE

THE popularity of Pears' Solid Brilliantine is an established fact. Each week the sales increase. Each week our advertising attracts new customers.

Have YOU a share in this Prosperity ?

One of Pears' Golden Series

A. & F. Pears, Ltd.,
71 - 75, New Oxford St.,
London, W.C. 1



PROTECTED RETAIL PRICE

1/3

DECOLTENE The liquid hair remover

The intelligent depilatory. Simple, safe and effective. Can be used while performing the toilet.

Dinkie Deodorant

The greaseless cream that takes all odour out of perspiration. Packed in attractive opal jars.

DIADEM Crême Rouge

Gives a natural colour to the cheeks. Far more convenient in use than dry rouge. Easily removable.

DIADEM Face Powder

Adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. In large artistic boxes, in distinctive style.

DIADEM Eau de Cologne.

A Perfume of most exquisite fragrance. Cooling, lasting and refreshing. In handsome sprinkler bottles.

DIADEM Vanishing Cream

A cream of rare purity and charm, put up in novel white globes and packed in dainty boxes in attractive style.

DIADEM WAX for the Complexion

Completely supersedes the customary greasy Toilet Creams. Pleasant in use and commands ready sales. In elegant large jars.

DIADEM Talcum Powder

The ideal powder for Nursery and Toilet. Choicely perfumed, and may be used with impunity on the most sensitive skin.

TRADE TERMS.

		P.A.T.A.	Trade per doz.
Decoltene Depilatory		3/3	30/-
Dinkie Deodorant		2/6	20/-
Diadem Face Powder		2/6	20/-
" Complexion Wax		2/6	20/-
" Crême Rouge		2/6	20/-
" Vanishing Cream		3/9	30/-
" Talcum Powder		1/3	10/-
" Eau de Cologne	1 oz.	1/9	14/-
" " "	2 oz.	3/3	26/-
" " "	4 oz.	6/-	48/-

NOTICE.

Artistic Showcards and Counter Matter free on request.

Robartes' Preparations are obtainable from all leading wholesale houses.

Largely advertised in all the leading dailies, weeklies and monthlies.

Further particulars and descriptive booklet forwarded on request.

ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London. E.C.1.

ROURE BERTRAND FILS, GRASSE. *Established 1820.*

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American), VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

STEPHENS BROTHERS & CO., 2, 5 & 6 Bury Court, St. Mary Axe, London, E.C.3.

Wholesale Houses only supplied.

FACE CREAM. TOOTH POWDER. NAIL POLISH
" POWDER. " PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3

PHONE—AVENUE 1945.

Telephone No. 2177 CENTRAL.
Telegraphic Address - QUELCH (Cent.) LONDON.

Ludgate Square,
Ludgate Hill,
LONDON, E.C.4.

HENRY C. QUELCH & CO.
H. C. Quelch.
H. W. Quelch.

4th February, 1920.

TETLOW'S
SWANDOWN FACE POWDER

We much regret that owing to the continued depreciation of Sterling Exchange, we have at last been compelled to advance the price to 96/- per gross, minimum retail price (P.A.T.A.) 1/- per box. On the last few consignments we have borne this loss ourselves in the hope that the Exchange would right itself.

We feel strongly that it is the public who should bear this increased cost and not the dealer. We have endeavoured to arrange the price so that all who sell Swandown Face Powder continue to get the margin of profit as before.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY - For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A de dorant.	22/6	2/6
STALLAX - - - For a shampoo	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - - Nut oil shampoo.	22/6	2/6

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COLONIAL DEPOTS AND AGENCIES.

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YOU know the steady all-the-year-round demand created by Snowfire Tablet, and will therefore appreciate that Snowfire Powders will bring you even bigger profits. The higher price of Snowfire Powders gives a larger turnover and consequently a bigger profit on every sale.

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POWDERS

THE SURE CURE FOR CHILBLAINS

are extensively advertised in the popular press and they stand up squarely to our claims. Hence the demand and consequent profit to you.

Write for Price List.

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IN POTS, TINS, OR BULK.

ABSOLUTELY DEPENDABLE.
BRINGS REPEATS EVERY DAY.

Lavender Ice

FOR CHAPPED HANDS

A QUICK WINTER SELLER.

ALSO

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Samples free on application to

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"STRONG" OR "MILD"

THE SUPER PASTE

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DEMYS, White and Yellow Wove, WRAPPING PAPERS of every description. TOILET PAPERS, in Rolls and Cartons. BROWN Papers, KRAFTS and CORRUGATED. GREASE-PROOF Powder Envelopes and Bags. Ledger, Day and Syphon Books. Wax, Twines and Cords. Prescription Books and Envelopes.

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Best British

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Nail Polish, Antiseptic
Cloth Cleaner, Styptic Pencils &
Solidified Brilliantine, Shaving Blocks,
Dental Cream, Pomade Hongroise,
Bay Rum, Dry Shampoo,
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Maximum Quality! Minimum Cost!

Exports to all parts. CABLEGRAMS HONGROISE BRIGHTON. Enquiries invited.

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"KRASKA" USED BY ROYALTY.

The only Perfect Liquid Nail Polish.

MADE IN TWO COLOURS,
ROSE AND NATURELLE.

Kraska Nail Polish ...	small	9/6 per doz.	Retail	1/2 each.
,, ,, ,, ...	medium	12/6 ...	...	1/8 ,,
,, ,, ,, ...	large	19/- ...	...	2/9 ,,
,, Hand Balm ...		10/- ...	...	1/2 ,,
,, Bleaching Fluid		10/- ...	...	1/2 ,,
,, Cuticle Cream		10/- ...	...	1/2 ,,

Obtainable at All Wholesale Houses.

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INTERNATIONAL SPONGE IMPORTERS, LIMITED.

CRESSWELL BROTHERS

Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers,

& 19 RED LION SQUARE, New Warehouses and Steam Bleacheries, 45½ EAGLE STREET. [BRANCH, **LONDON, W.C.**

BEST HOUSE FOR SPONGES

yers are invited to call to Inspect our Magnificent Stocks and make their own Selections. Lowest Market ices. Absolutely Best Values. The following abridged List will serve as a guide to Buyers when writing.

UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.

HONEYCOMB. Extra Choice. The Pick of all the Fisheries. FINESTTEXTURE and SHAPE.

Pieces in Case.		Average Price per Piece.
300	Toilet at	9d.
250	,, ,,	1/-
200	,, ,,	1/6
160	,, ,,	2/-
140	,, ,,	2/6
120	,, ,,	3/-
100	,, ,,	3/6
90	Medium Bath	4/6
80	,, ,,	5/6
72	,, ,,	6/6
60	,, ,,	7/6
45	Large Bath	8/6
30	,, ,,	10/6

HONEYCOMB. Toilet & Bath Good 2nd Quality.

Pieces in Case.		Av'ge Price per Piece.
300	at	4d.
270	,,	6d.
180	,,	9d.
170	,,	1/-
160	,,	1/6
140	,,	2/-
120	,,	2/6
110	,,	3/-
90	,,	3/6
80	,,	4/-
75	,,	4/6
70	,,	5/-
65	,,	5/6
60	,,	6/6

FINE TURKEY CUPS 1st Quality. PICKED SHAPES.

Pieces in Case.		Average Price per Piece.
Toilet Selected	300 at	1/-
,,	200 ,,	1/6
,,	150 ,,	2/-
,,	140 ,,	2/6
,,	100 ,,	3/-
,,	90 ,,	3/6
,,	80 ,,	4/-
,,	70 ,,	4/6
,,	60 ,,	5/-
,,	50 ,,	6/-
Bath Selected	45 ,,	6/6
	40 ,,	7/6

FINE TURKEY SOLIDS. SELECTED SHAPES, 1st Quality

Pieces in Case.		Average Price per Piece.
Nursery	200 at	6d.
,,	200 ,,	8d.
,,	200 ,,	1/-
Toilet	150 ,,	1/6
,,	100 ,,	1/9
,,	100 ,,	2/-
,,	80 ,,	2/6
Bath	50 ,,	3/-
,,	36 ,,	4/-
,,	24 ,,	5/-

IMPORTANT NOTICE. THE CONTENTS OF THE ABOVE CASES WILL BE PRESS-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.

LOOSE GOODS DEPARTMENT Sponges in Small Packages. Fine Turkey. Fine Egyptian and Honeycomb. In 1st, 2nd and 3rd Qualities. Bleached or Unbleached (state which in ordering). On Strings of 1 dozen pieces or loose in bags. At per dozen: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool. Grass. Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s. 15s., 18s., 24s.

NEW VELVET HONEYCOMB. Soft, Durable and large for money. *Suitable for Toilet and Bath purposes.*
PRICES—Cut Shapes ... ... 3s., 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s. per dozen.
,, Natural Shapes ... 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s., 30s., 33s., 36s. ,,
Strongly recommended where an inexpensive Toilet and Bath Sponge is required.

The Best and most Saleable Rubber Sponge on the Market.

ABLUTONIC RUBBER SPONGE

The nearest approach to the true Fine Turkey Sponge yet produced.

A VERITABLE TRIUMPH OF BRITISH MANUFACTURE.

Very Soft, Durable and Absorbent.

Supplied in OVAL and ROUND SHAPES.

	Nos. 01	1	2	3	4	5	6
Prices:—OVAL SHAPES	8/-	10/6	15/-	22/-	30/-	39/-	50/- doz.
	Nos. 1 R	2 R	3 R	4 R	5 R	6 R	
,, ROUND SHAPES	13/6	18/6	24/6	39/-	50/-	60/- doz.	

Send for Samples.

LOOFAHS (Vegetable Sponge). In original compressed bales, as imported from Japan.

Size 8 by 10 inches, about 5,000 pieces in Bale.
,, 10 ,, 12 ,, ,, 4,500 ,, ,,
,, 12 ,, 14 ,, ,, 3,500 ,, ,,

Size 14 by 16 inches, about 2,500 pieces in Bale.
,, 16 ,, 18 ,, ,, 1,800 ,, ,,
18 inches and upwards ,, 1,200 ,, ,,

We will send lowest prices on application.

Prices for Loofahs swollen out, and ready for sale, at per gross **24/- 30/- 36/- 42/- 48/- 60/-**

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by buying French Made

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Call, write, or phone, and we will submit you a variety for delivery from London Stock, or promptly, including

ALL HOG - HAIR — REAL and MIXED BADGERS

with boxwood, metal and bone handles.

Camel Hair Pencils, Iodine and Throat Brushes, Tooth and Nail Brushes, Pocket, Dust and Dressing Combs.

EBONY HAND MIRRORS and MANICURE SETS

HYPODERMIC SYRINGES
(French)

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TOOTH, NAIL, SHAVING AND BATH BRUSHES.
Makers of the "Athenæum" Tooth and Nail Brushes.
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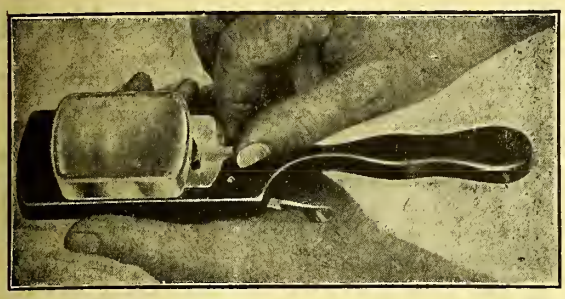
The "REX" Self-Generating Electric Brush

(THE ONLY BRUSH OF ITS KIND IN THE WORLD.)

For the Hair, Headache, Nerve Trouble, Rheumatism. Direct Electricity for *immediate relief* for all pains and aches.



Since we first put this unique Brush before the public, some four years ago, the demand has been greater than the supplies, particularly so during the last two years. We beg now to intimate that we have trebled the production, and hope to be in a position from now on to execute orders without undue delay. The "Rex" Electric Brush is greatly improved, stronger and better finished.

SOLD BY ALL FIRST-CLASS CHEMISTS AND PERFUMERS.

RETAIL PRICE, £2 : 2 : 0 complete with attachments.

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RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn (Assorted Patterns.)	20/-	doz.
ditto Hard, White or Yellow	22/-	,,
ditto Ex. hard ,, ,,	24/-	,,
Mitre - - -	16/-	,,
Elephant - - -	14/-	,,
Anchor - - -	12/-	,,

GROSS LOTS NAMED FREE. CARRIAGE PAID.

We do not Sell Foreign Tooth Brushes.

A selected £12 parcel of Hair Brushes from 50/- to 150/- per doz., carr. paid

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CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat, or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

Will keep your Goods, Boxes, Bottles, and delicate Labels **clean** on the Counter and in Shop Windows, allowing the Articles to be seen **by transparency**. Can be had colourless, coloured and embossed.

Also in the shape of **Discs** for Creams, Ointments, Boot Polish, &c.

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WHITE AND COLOURED SPLITS, OPAQUE AND TRANSPARENT BAUDRUCHE. SPRINKLERS.

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Boxwood Lighthouse Cases for Concentrated PERFUMES

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IF YOU REQUIRE

Split Skins, Baudruche—Transparent & Opaque

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Will be pleased to quote for and supply you with them. Phone: London Wall 5072.

Collapsible Tubes

In pure tin, pure lead, or lead coated with tin, for rubber solution, artists' colours, tooth pastes and other toilet preparations

ALSO BRITISH-MADE TIN FOIL IN SHEETS AND REELS.

Manufactured by

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BRITISH MADE

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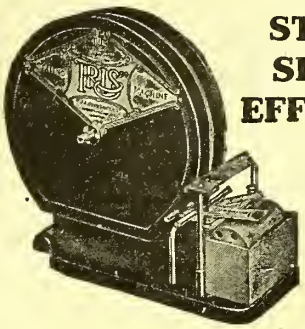
Perfume Sprinklers and Tin Boxes.

THE JOHN DALE MFG CO'Y
New Southgate, LONDON N. 11.

THE "IRIS" SEALING MACHINE



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Patent Medicines, Foods, Combs, Sundries, suitable for these Countries.

Firm of Agents and East India Merchants require sole representation these lines over above Territories, well organised and established over all, with Traveller from Home now covering full ground. Will take orders firm's own name on commission basis, orders paid for this side, or act as Merchants. Here is a chance for enterprising firms who realise countries lately at war cannot exist in 1922 by taking in each other's washing. NOW or NEVER for Export Markets, and if Export first, Home trade follows. Reverse, as in the past, and disaster will result, as no longer will you pick up Exports when Home Trade slack. If wise, go for other countries' money and not the depreciating pound.

Reply :—

176/5, c/o "The Chemist & Druggist," 42 Cannon Street, London, E.C.4

What does your Advertising Cost?

Are you receiving satisfaction equivalent to the cost?

3 Points of Advantage

of our new combine—the combined service of a first-class Advertising and Printing Office.

1. A quotation from us that embraces both your advertising and printing. This speaks for itself as the answer to that important question . . . "How shall I curtail my Advertising expenses?"

2. The satisfaction of knowing that your advertisers are your actual printers. A gilt-edged security that your work will be started and finished by a firm who have studied your requirements from "Thread to Needle."

3. A mechanical plant and type lay-out installed that is the result of untiring efforts to meet the requirements of the Chemist and Wholesaler with regard to his printing.

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Advertising Specialists & Chemists' Printers,

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Telephone 26674. Telegrams: "Ideas Leeds."

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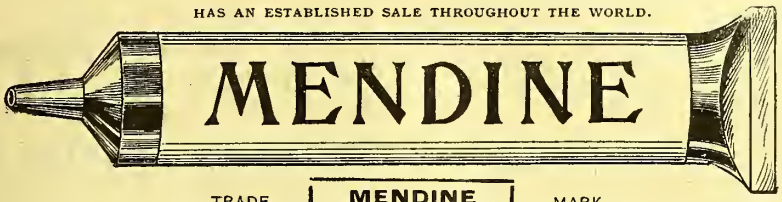

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REGISTERED.

MENDINE

(A PERFECT LIQUID GLUE CEMENT)

WILL MEND

ANYTHING.

In 2d., 3d., 5d., and 7d. Tubes. In bulk for Commercial purposes, from 2 oz. to 1 cwt. Casks.

THE MENDINE COMPANY,

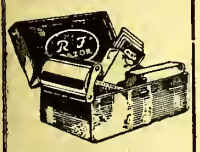
CLARENCE HOUSE, ARTHUR STREET, LONDON, E.C. 4

Telephone No.: 5873 BANK.

They will all ask for the R.-F. RAZOR.

ALL BRITISH MADE.

21/- COMPLETE.



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A Safety Razor that embodies an invention worked on an entirely new principle. It does not scrape over the face, it ROLLS. Thus its action is delightfully smooth and soothing to the skin, giving a perfectly clean and pleasant shave.

Rollo-Foam SAFETY RAZOR

WHY YOU MUST STOCK IT—

It is being extensively advertised and is selling well.

It is the best safety razor ever invented.

It is most excellent value.

Price List sent on application.

LEWIS REGNARD & CO.,
90 Lower Thames Street, E.C. 3.

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WOOD BOXES AND TRAYS OF EVERY DESCRIPTION

Partitioned Cases & Crates

Benches, Tables and other Joinery

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Specialities:

LINDERMAN JOINTED SHOOKS.

CHEAP, NON-RETURNABLE, COLLAPSIBLE CASES FOR HOME TRADE.

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Tie up your Parcels with Advertising Tying Tape. Pleases both Eye and Pocket and gives Distinction to every Parcel sent out.

Various Colours and Widths. Printed or Plain.

Write or particulars when Prices and Patterns will be forwarded.

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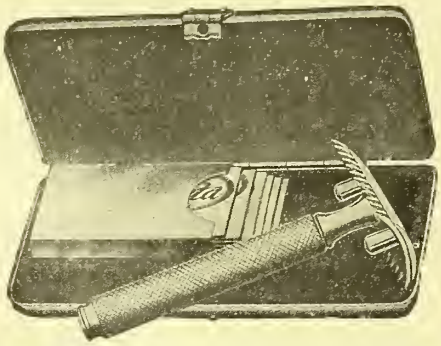
Capsicum Tissue

(GALEN)
Capsicum WOOL obtained by removing Gauze covering.
Superfine quality and attractively packed.
Per dozen boxes ... 7/9
The Galen Manfg. Co., Ltd., Wilson St., New Cross, LONDON, S.E. 14.



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British Made.

Numerous patterns, suitable for all markets.
English or Foreign catalogues on application.
We are the largest makers in Great Britain.

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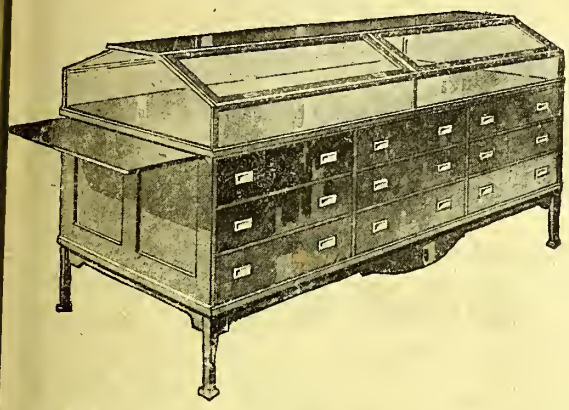

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Manufactured to

DISPLAY

your goods to the best possible advantage.

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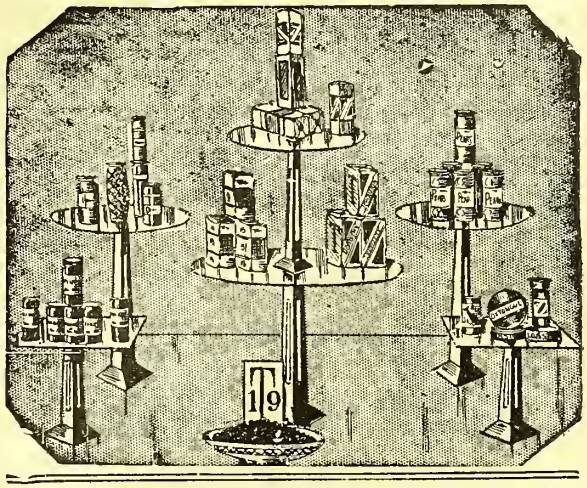

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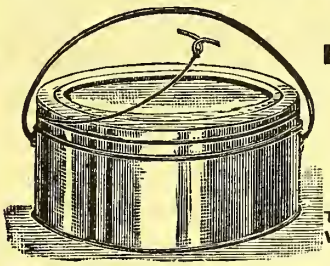

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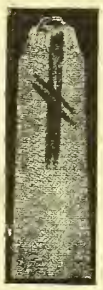

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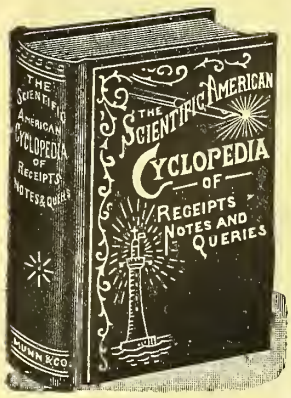

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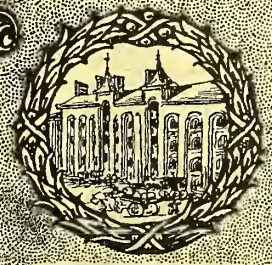

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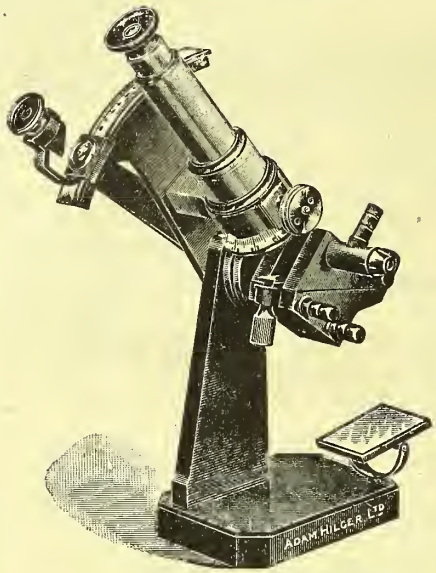

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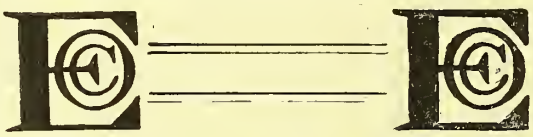

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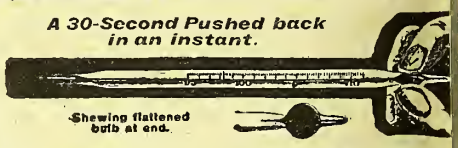

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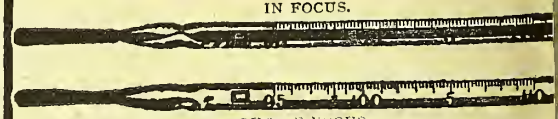

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Proof Spirit Conversion Tables.

A REPRINT of the Proof Spirit Conversion Tables published in THE CHEMIST AND DRUGGIST, December 27, 1919, is now ready. It is in the form of a four-page pamphlet of the size of this page. A charge of 4*d.* a copy (post free) is made for the reprint.

Business Changes.

J. ROBINSON & SONS, manufacturing chemists, 83 Barkerend Road, Bradford, are extending their premises.

MR. J. B. DAVIS, chemist and druggist, has purchased the business known as Chaplin's, 21 North Road, Brighton.

MR. G. CROMBIE, chemist and druggist, has purchased the business of Leadbitter & Son, chemist, Blandford Street, Sunderland.

LINDSEY & SONS, surgical-appliance manufacturers, have removed from 32 Ludgate Hill, London, E.C. 4, to 137 Cannon Street, E.C. 4, the lease of their old premises having expired.

MR. S. LISTON, chemist and druggist, 280 Fulham Road, London, S.W. 10, has taken over the business of Mr. R. Nicholls, chemist and druggist, 351 Fulham Palace Road, S.W. 6, which he will carry on as a branch.

Experiences of the Great War.

Contributions to this section are invited.

XXVI.—With a Special Company of R.E.s.

WE—a much cursed and blessed company of R.E.'s of the Special Brigade—had been standing-by from 8 A.M. in the morning to 10 P.M. waiting for trains to come up from Calais with the "stuff." The first train arrived at nine one night, and ten minutes later we were on parade ready to climb into the lorries which were to take us up to the siding. We bumped along in record time to the dump, a place about seven miles behind Ypres. The company were rather inclined to resent the arrival of the trains just before stand-down and bed-time; nevertheless the stacks of gas cylinders grew almost miraculously in the dim light. The morning following saw the company up at the dump again, to test the cylinders. This time they were armed with peg spanners and carried respirators at the alert. For the next few hours the atmosphere was redolent of phosgene. By and by seven light railway trains, of nine trucks each, rolled into the dump. Forty cylinders were then put into each truck and a curious apparatus was fastened, to the nozzle of each drum, with electric wires to join the cylinders up in twenties. When this was finished the "Specials" climbed into their lorries and went back to camp. It might have been noticed then that they did not return until the wind was in the west, when, one evening, the whole company arrived at the dump, each man wearing a steel helmet and carrying his usual respirator and peg spanner, some, too, carried heavy-looking white boxes. Almost simultaneously seven light rail petrol tractors chuffed into the dump and proceeded to couple up to the waiting trains. The company distributed themselves evenly along the trucks, and within a few minutes the first train was on its way over the narrow-gauge line which led to Ypres. The sun set as Brandhoek was passed, and as night closed down the trains were skirting Ypres and still rattling on. It was not exactly a pleasant sensation, taking a few dozen tons of gas through a shelled area. The company knew the country inside out, however, having spent nine months in the "Salient." The track led through what had been a wood. Here the trains slowed down and dark figures rose up on either side and began to push the trucks. Imperceptibly the tractors cast off and went into a siding. The trains went forward out into "No Man's Land" over lines which were being carefully watched by light-railway R.E.s. The clanking had long since ceased, and all we could hear was the muffled grate of the wheels. At a signal the trains were stopped, and 11.30 P.M. found the trucks ranged along about half a mile of rails parallel to the front line. The infantry retired, and the "Specials" unrolled their electric wires and disposed themselves with their white boxes in the all too numerous shell-holes. Seemingly without any warning everyone was busy with his wires and exploder—the white box. Two minutes later a whisper came along "All ready?" A pause, then—"5 : 4 : 3 : 2 : 1 : Fire!" followed by hundreds of sharp reports and a hissing like steam. The gas travelled slowly across towards the German lines in a dense and rather beautiful cloud (at least it looked so to us). A machine-gun or two started spitting bullets, two green lights were shot up, and then followed an impressive silence. The cloud lasted a quarter of an hour. As soon as the trains were approachable the cylinders were turned off, and three-quarters of an hour later the trains were off back to the siding. At 2.30 A.M. we were rattling gaily back, well pleased with the night's work and well rid of 60 tons of gas. Three months afterwards I was able to follow the track of this particular gas-cloud over four miles of battlefield, for the grass was still bleached white and the shell-holes still smelt of gas. Two miles further on over the next ridge the track was almost as plain as ever. T. T. OIRAM. (167/66.)

TANGANYIKA TERRITORY is the new name for the country formerly known as German East Africa.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

The Marking of Goods.

The Merchandise Marks Committee is completing its arrangements for taking evidence before proceeding to consider its report. Associations and persons who may wish to make representations on any of the matters which the Committee is investigating should communicate with the Secretary of the Committee at the Patent Office, 25 Southampton Buildings, London, W.C. 2, not later than February 14. The Committee is dealing in particular with the following questions:

(1) Whether all imported goods, or particular classes of imported goods, should be required to bear on importation, or on sale in this country, a statement as to their origin; whether the statement should specify the actual country of origin, or should merely indicate that the goods are not of British or not of United Kingdom origin; and whether any such requirement should extend to goods transhipped in this country, or re-exported from this country, to British Possessions and foreign countries.

(2) The advisability of encouraging the institution of an Empire mark to denote British origin; the utility and effect of national trade-marks and other similar collective marks; and whether any such mark or marks, if used at all, should be administered by the Government or by municipalities, or by associations of traders.

(3) Whether any and what international action is necessary or desirable to prevent the false marking of goods with indications of British origin, and to protect regional appellations of origin.

Theft of Opium, Morphine, and Cocaine.

Considerable quantities of opium, morphine, and cocaine were stolen from the warehouse of Dakin Bros., Ltd., 82 Middlesex Street, London, E. 1, on the night of January 26. The goods known to be missing are: Gum opii., 140 lb.; pulv. opii., 50 lb.; morph. hydrochlor., 48 oz.; morph. sulph., 4 oz.; cocain. hydrochlor., 2 oz. Should any of these drugs be offered by strangers at prices below market value, or in suspicious circumstances, or should any information likely to lead to their recovery be obtained, information should be given to any police station.

Poisonings.

The following fatal cases of poisoning have been recorded since our last report:

At Seamer, Scarborough, an ex-soldier named Grayson committed suicide, while of unsound mind, by taking oxalic acid.

At an inquest in Westminster, on January 30, on the body of a labourer named Swift, who had committed suicide by taking chlorodyne, the coroner remarked that it was time the question was considered whether it should not be made more difficult to procure chlorodyne, and whether a doctor's prescription should not be required for its purchase. The amount now allowed to be sold, he said, was much too large.

Birmingham.

Professor Frankland is removing from Northfield to Scotland.

Mr. L. C. Tipper, of the Balsall Heath Drug Mills, has been re-elected chairman of the Birmingham Chamber of Agriculture.

Birmingham gas consumers are promised a rebate of 6*d*. per 1,000 cubic feet on this quarter's reading—and an advance next quarter!

It is rumoured that the reception accorded to a letter sent by some lady pharmacists in this city to the board of a local hospital, complaining of the appointment of a "Hall" dispenser, was not sympathetic.

The counterfeit florin has again made its appearance here. It is not lead nor solder this time, but largely tin. The milling is poor, the brightness as of aluminium, the weight light, the ring leaden, and the touch soapy.

A ship's steward named Edwards was recently sentenced to two months' imprisonment for obtaining credit by false pretences. Among the goods he had picked up locally in this way were field-glasses, surgical instruments, and a manicure set.

"It seems to me," writes a correspondent, "that medicine is assuming such an arrogant attitude that it will be necessary in the near future, if its claims are granted, to abolish the Pharmaceutical Society, and to compel all who desire to follow pharmacy to qualify first as medical men and then specialise in pharmacy as a branch of medical practice."

Liverpool.

Mr. Hugo Wolff has been revisiting Liverpool and district friends in the wholesale and retail.

Reports from Hanover Street indicate brisk business made easier by the steady increase of home supplies.

Mr. Thomas O. Barlow, Ph.C., Southsea, who has been staying at Colwyn Bay, has visited Liverpool pharmacies this week.

Lord Ampthill, Pro Grand Master of English Freemasons, installed on February 2, at the Philharmonic Hall, Mr. Louis Slade Winsloe as Provincial Grand Master of West Lancashire. Among over 1,000 brethren present were a number associated with the drug-trade.

The Lord Mayor of Liverpool will give a reception to the British Pharmaceutical Conference when it meets here in July. It is possible that, if many visitors arrange to arrive for the Sunday preceding the conference, services at the Cathedral and elsewhere will be arranged. On the invitation of the White Star Line, a Mersey trip out as far as one of the lightships is to take place.

In the course of a speech at the annual dinner of the Liverpool Philomathic Club, on February 2, Mr. Justice Greer remarked: "A great deal of nonsense is talked about profiteering. I have not had the opportunity myself of profiteering (laughter), and so I am entitled to condemn it; but as for those who rage about profiteering especially in relation to the cotton trade and the wool trade, it is idle nonsense to be angry with people for taking large profits from a short market when everyone who criticises them knows that in the same circumstances he would do exactly the same thing, and do it not merely because he wanted the profit, but because it is absolutely impossible to carry on business on any other terms."

Mr. J. G. Tringham, late of the publicity department of Ayrton, Saunders & Co., Ltd., has left Liverpool for London, where he has entered into a partnership in a business not associated with drugs. A farewell dinner to Mr. Tringham was given at the Washington Hotel, on January 30, by the representatives and heads of departments. Mr. H. Nixon, vice-chairman of the company presided, and was supported by Messrs. J. Duncan (director), A. J. Alexander, W. H. Dowler, A. Green, W. S. Hume, W. R. Jamieson, J. Kelly, J. W. Lumby, W. G. Mann, P. D. Page, G. Rolfe, E. J. Smyth, F. Twells, and D. J. Williams. A delightful dinner was served, followed by an excellent musical programme. "Our Guest" was proposed by Mr. Nixon, who referred to the long and valued service rendered by Mr. Tringham, and wished him all success. During the evening Mr. Tringham was the recipient of several handsome presents from the directors and staff. Mr. Tringham's genial nature made him many friends during his ten years' service, and he will be greatly missed.

Manchester.

Mr. Robert Smith, manager of the Co-operative Wholesale Society's health insurance section, has been appointed chairman of the Sanatorium Benefit Committee of the Manchester Insurance Committee.

Mr. William Kirkby, M.Sc., past-President of the British Pharmaceutical Conference, and Mr. J. Cleworth pharmacist, Ducie Street, Manchester, have been unanimously co-opted as members of the local executive committee in connection with the visit of the B.P.C. to Liverpool next July.

Although considerable support has been forthcoming for the proposed chair of colloidal chemistry at Manchester University, the total amount promised up to the present only about 11,000*l.* out of 25,000*l.* required. It is hoped that the new department may be able to begin work next session, and that an immediate supply of trained men may be available.

Sheffield.

The windows of G. T. W. Newsholme, Ltd., are to be replaced by still finer ones.

The Sheffield Pharmaceutical Students' Association has been promised a lecture by Mr. John Evans, F.I.C., Ph.C., the city analyst, on "Food and Accessory Food Factors."

Up to the time of writing, the Minister of Health had not agreed to the hours for panel dispensing arranged by the Insurance and Pharmaceutical Committees.

The wife of Mr. R. E. Wardell, chemist and druggist, who has just taken over his new business (*C. & D.*, January 17, p. 48), has also qualified as a chemist and druggist.

Mr. G. B. Brook, whose name was in the list of new Fellows of the Institute of Chemistry last week (*C. & D.*, January 31, p. 67), is an old friend of the Sheffield Pharmaceutical and Chemical Society.

The Minister of Health has sanctioned an increase of 10*l.* per annum, with the Civil Service war bonus, in the salary of Mr. S. G. Carey, chemist and druggist, assistant dispenser to the Sheffield Board of Guardians.

Miscellaneous.

The Imports and Exports (Licensing) Section of the Board of Trade is now located at Great George Street, London, S.W. 1.

Revocation of Orders.—The Food Controller intimates that the following Orders have been revoked as from February 1: Oils, Oilcakes and Meals (Requisition) Order, 1917; Refined Vegetable Oils (Requisition) Order, 1917; Oils and Fats (Restriction) Order, 1918. The Cream Order, 1918, which was temporarily suspended last year from Sepember 1, has been revoked.

Tribute to the late Colonel Harrison.—In the course of a lecture on "Applied Science in Gas Warfare," delivered in London on February 3, Lieutenant-Colonel P. S. Gelean paid a high tribute to the late Lieutenant-Colonel E. F. Harrison, Ph.C., and those who, under his direction, investigated the action of lethal gases and devised apparatus for the protection of the troops against them.

Inter-Pharmacy Football League.—The third fixture of the season in the Inter-Pharmacy Cup Competition was played on January 31, when Westminster College were at home to the Bloomsbury Square eleven. Unfortunately the recent rains had left the ground in a decidedly wet condition. For some time the game was very even. Ultimately a hard-fought game came to a close with the score: Westminster, four goals; Square, two goals. The other League matches this season have resulted as follows: Westminster, nine goals, *v.* South of England, nil; London College, one, *v.* Westminster College, one.

Sale of Food and Drugs Acts.—In his recent report to the Hertfordshire County Council, Mr. Bernard Dyer, the county analyst, states that only two samples, both sold as insecticides, were reported upon under the Sale of Food and Drugs Acts. One consisted of about twenty-two parts of crude naphthalene ground up with inert matter—possibly refuse that had gone through a destructor. The other was sold as a remedy for the destruction of wireworm, and was found to consist of ground mustard-seed cake dusted over with sulphate of lime. He doubts if it would have any effect as a remedy for wireworm beyond acting possibly as a food for the worms and thus distracting their attention from the young crop which it might be desired to protect.

The Price of Cocoa.—Cocoa (says "The Times") is one of the few articles which have not risen in price to any serious extent. Although raw cocoa has gone up in price by as much as 50 per cent., the leading proprietary brands as sold to the public have not advanced by more than 8*d.* per lb. The Ministry of Food has been able to secure oversea stocks of raw cocoa for manufacturers at rates which it describes as very reasonable, considering the times, but the cessation of hostilities admitted other nations to the world's markets, and the trade are now complaining that profits are either reduced to an unworkable minimum or disappearing altogether in consequence of higher wages and heavier all-round costs of manufacture. The alternatives seem to be the removal of the maximum price or the sanctioning of an increase, but it is not expected that any action will be taken by the Food Ministry for a few weeks.

In the Courts.—At Wood Green, on January 30, Henry Cox, carman, was charged with obtaining money by false pretences. The prosecution alleged that a liquid sold as a beef-and-malt wine, at 4*s.* a bottle, was only coloured water. Mr. Bevan, analyst, stated in evidence that the liquid contained traces of meat extract and malt extract, and would still be a preparation if "tons of water" were added. The cost of its ingredients was 3½*d.* The case was dismissed.—Summoned at Lancaster Police Court, on February 2, for deserting his wife, W. A. E. Lea, who was said to have been a chemist's assistant in the town for twenty-five years, expressed his willingness to make her an allowance when he got into a situation, but added that, being unqualified, he did not expect to earn more than 3*l.* 3*s.* a week. An order for the payment of 15*s.* a week was made.

Fires.—The following outbreaks of fire have been recorded since our last report: On January 27, an assistant of Mr. John H. Grayson, Ph.C., King Street, Whitehaven, was pouring turpentine into a bottle, when the bottle fell into a fireplace in which a fire was burning. Damage estimated at 40*l.* was done.—A bottle containing ether was upset in a store-room at the shop of Waller & Riley, Ltd., chemists, Bury New Road, Bolton, and the vapour became ignited. The room was burnt out, and the shop itself was damaged by water.—An outbreak occurred at the premises of the British Ever-Ready Co., Ltd., Hercules Place, Holloway, N. 7, on January 28. The damage was slight.—An outbreak of fire, attributed to a defective electric fitting, occurred at the premises of Osborne, Bauer & Cheeseman, 19 Golden Square, London, W. 1, on January 29. The contents of a room on the ground floor were damaged.—On February 1, some loss of stock resulted from a fire at the premises of the New Silver Nitrate Co., Cowcross Street, E.C. 1.

Irish News.

Brevities.

Mr. F. T. Smith, J.P., R.D., Antrim, has been elected chairman of the Antrim town commissioners for the fourth time.

Mr. Michael Dove, Ph.C., Newcastle West, co. Limerick, was arrested on February 3, along with several other prominent townsmen, on a charge, it is understood, of being concerned in alleged riot and unlawful assembly.

At a meeting of the Ballymena Urban Council held on January 30 Mr. Huston Lancashire, J.P., Ph.C., was, for the fifth year in succession, appointed chairman. At Portrush Mr. Alfred C. Scott, R.D., was re-elected chairman, and at Coleraine Mr. R. F. McCartney, Ph.C., the outgoing chairman, was defeated.

At the monthly meeting of Belfast Corporation on February 1, Councillor Scott asked if the council had no power to limit the sale of methylated spirit. When men poisoned themselves with methylated spirit, it was time that something was done to restrict the sale. The town clerk said methylated spirit was not regarded as either food or a drug in the ordinary sense. After further discussion, the matter dropped.

Dental Society of Ireland.

The annual meeting of the Dental Society of Ireland (chemists and druggists practising dentistry) was held at the rooms of the Chemists' and Druggists' Society of Ireland, 11 Waring Street, Belfast, on January 28, the President (Mr. F. T. Smith, R.D., J.P.) in the chair.

Mr. J. D. Carse (hon. secretary) read the sixth annual report, and stated that, as regards membership, there was a slight increase during the year. The Committee has issued a warning to members not to use the abbreviations M.D.S. or M.D.S.I. after their names, as by so doing they render themselves liable to prosecution. The use of the full name in small type, "Dental Society of Ireland," was suggested instead. Mr. Joseph Moffett (treasurer) submitted the financial statement, which showed a credit balance. The following officers were elected: *President*, Mr. F. T. Smith, J.P. *Vice-Presidents*, Messrs. T. Robb (Lisburn Road), T. Mitchell (Newtownards Road). *Hon. Secretaries*, Messrs. J. D. Carse (Woodstock Road) and D. S. Bennett (Cahircivcen, co. Kerry) (for the South of Ireland). *Treasurer*, Mr. J. Moffett. *Committee*: Messrs. S. Suffern, J. M. Roberts, E. J. Roberts, F. J. Boyle, J. Wilkinson, S. Sarson, S. Hill, J. Guthrie (Belfast), F. W. Dodds (Crumlin), T. Unsworth (Ballynahinch), D. Blackwood (Armagh), W. Hanna, J.P. (Bangor), J. Levy (Mountmellick), J. Beatty (Clones), D. Gray (Dunmanway, co. Cork), James Behan (Killaloe), J. Copithorne (Skibbereen), and Jas. Anderson (Killyleigh). A resolution of sympathy with the relatives of the late Mr. Edgar Lisburn was passed.

The Douglas Firs.

At a meeting of the Royal Irish Academy on January 26, Professor A. Henry read a paper on the Douglas Firs, being a botanical and silvicultural description of the various species of *Pseudotsuga*. Six species and one variety were investigated. Miss M. G. Flood has studied the microscopical structure of the leaves, which was found to be distinct and constant in each species, being correlated with the special climate in which the tree lives. The Colorado and the Oregon Douglas firs exemplify this well, the leaf anatomy of the former showing xerophytic features, which are adaptations to the dry continental climate of the Rocky Mountains. These two distinct species (*P. glauca* and *P. Douglasii*), usually regarded as of only varietal rank, are treated very fully. The remarkable difference in the odour exhaled by these two trees led to a chemical examination of the oils distilled from their foliage, by Mr. C. T. Bennett, B.Sc. The delicious fragrance of the Oregon species was found to be due to the presence in the leaf-oil of geraniol, pinene being absent. The strong turpentine odour of the Colorado species is associated with the presence in its leaf-oil of large percentages of pinene and bornyl acetate.

Scottish News.

Brevities.

Mr. J. Rutherford Hill, Ph.C., has been appointed a member of the Council of Medical and Allied Services formed to advise the Scottish Board of Health.

The Scottish Board of Health have issued a statement on the "General Drug Position," with the injunction to exercise economy in the interests of all concerned.

Mr. W. Ford, until recently on the staff of Raimes, Clark & Co., Ltd., Edinburgh, has been appointed a representative for Scotland of F. S. Cleaver & Sons, Ltd., London.

Chemists' Friendly Society.

The annual general meeting of the Chemists' Friendly Society was held at 165 Hill Street, Glasgow, on January 29. The report and financial statement for the year ended June 29, 1919 (*C. & D.*, January 3, p. 61), were adopted. The retiring directors, together with Mr. Lennox (President), Mr. McNinch (Vice-President), and Mr. McCallum (manager), were reappointed. It was agreed to increase the number of the trustees from three to five, Messrs. C. T. Cockburn and Thos. Guthrie, pharmacists, being appointed as additional trustees. The new model rules drawn up by the Ministry of Health were adopted, and it was agreed to abandon the non-State Section of the Society, which has been inoperative throughout.

Edinburgh.

Mr. J. R. U. Dewar, the veterinary expert whose death was recorded recently, left estate valued at 20,321*l*.

A local chemist says that he finds from past records that the number of prescriptions dispensed in any January, multiplied by ten, give the total number for that year.

Dr. W. Inglis Clark, Ph.C., delivered a lecture on January 31 to the Edinburgh branch of the Scoto-Italian Society, his subject being "Italia Redenta and the Adjacent Portions of the Tirol."

Glasgow.

The local branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers are arranging a whist-drive and dance for March 9, to be held in the Charing Cross Halls.

On February 3, John Barnes was sentenced to eighteen months' imprisonment for having administered to his wife, with malicious intent, a lotion containing zinc sulphate. The lotion was procured from a chemist's shop and was labelled "Poison."

Lord Blackburn granted decree, on January 30, for 4,920*l*. 19*s*. 6*d*. as damages for breach of a contract of sale of 100 tons of Japanese farina. The pursuers were Laudauer & Co., Fenchurch Street, London, E.C., and the defenders W. H. Alexander & Co., Ltd., Buchanan Street, Glasgow.

Mr. A. Macpherson, the Scottish representative of Menley & James, Ltd., London, was recently installed Preceptor of the Preceptory of Glasgow St. John (Knights Templar), and a few days ago was elected an office bearer in the District Grand Priory of Lanark and Renfrew. Mr. Macpherson is a member of the Royal Order of Scotland.

Coming Events.

Sunday, February 8.

Amalgamated Society of Pharmacists, Drug and Chemical Workers, Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 3.30 P.M. Conference of managers.

Monday, February 9.

London Traders' Federation, Australia House, Strand, London, at 6 P.M. Meeting of retail traders to discuss the Profiteering Act. The speakers are Sir Ernest Wild, K.C., M.P., Mr. Edwin Evans, J.P., and Mr. A. C. Denham, O.B.E. Viscount Curzon, Mr. Kennedy Jones, M.P., and others will be present. Admission free to retail traders.

Tuesday, February 10.

Ealing and District Pharmacists' Association, Eden's Restaurant, High Street, at 8.30 P.M. Mr. P. F. Rowsell on "Proprietary Articles Trade Association Matters."

Carmarthenshire Pharmacists' Association, Thomas Arms Hotel, Llanelly, at 3 P.M. Address by Mr. Hugo Wolff and others.

Federation of British Industries, Kingsway Hall, London, W.C., at 10.30 A.M. National Conference of manufacturers and producers. Also on Wednesday.

Wednesday, February 11.

Manchester Pharmaceutical Association, Pharmaceutical Department, Manchester University, at 3 P.M. Mr. J. Grier, M.Sc., on the "Higher Aspects of Pharmaceutical Education."

National Association of Chemists' Assistants (Manchester Branch), Medical School, Manchester University, at 7.45 P.M. Mr. J. W. Deakin on "Pharmaceutical Organisation."

Liverpool Chemists' Association, Royal Institution, at 8 P.M. Professor R. J. H. Gibson on "The Origin of Life on this Earth."

Thursday, February 12.

Salford Pharmaceutical Association, 40 The Crescent, at 8.30 P.M. Address by Mr. G. A. Mallinson. All pharmacists invited.

British Chemical Trades Association, Criterion Restaurant, London, W.1, at 7 P.M. Annual dinner. Tickets (10*s*. 6*d*. each) from the Secretary, 80 Fenchurch Street, E.C.3. Dress optional.

London (Western) Pharmacists' Association.—A supper and concert will be held at the Clarendon Restaurant, Hammersmith Broadway, London, W., on February 19, at 6.45 P.M. Tickets 7*s*. 6*d*. each. Morning dress.

Southend-on-Sea Association of Pharmacists.—A dinner will be held in Boots Café, The Broadway, High Street, at 7.30 P.M. on February 18. Tickets from Mr. Sydney Body, 167 The Broadway.

North London Pharmaceutical Association.—The annual dinner will be held on February 19 at the Florence Restaurant, Rupert Street, Regent Street, London, W. Tickets (10*s*. 6*d*. each) from Mr. Herbert Skinner, The Dispensary, Great Northern Hospital. Early application is desirable.

The Profiteering Act.

Notes.

Committee Dissolved.

The Wood Green district council has dissolved its Profiteering Committee on the ground that the Committee was rendering no useful public service, but was wasting its time.

Committees Suspended.

The Wallasey Profiteering Committee has unanimously resolved to adjourn "until such time as an amendment of the law would make it an effective body."

The Walthamstow Profiteering Committee passed a resolution, on January 29, in favour of adjournment "until such time as the Profiteering Act is amended in a manner that will allow of a real attempt being made to punish all persons found guilty of offences in connection with profiteering."

Resolutions at a Public Meeting.

Two resolutions were passed at a recent public meeting called by the Mayor of Bermondsey. The first resolution stated that the meeting considered that the present Profiteering Act failed to meet the root evils of profiteering, and called upon the Government to introduce an amending Act conferring the power to prosecute wholesalers guilty of inflating prices unreasonably, and making it illegal for wholesalers to fix retail prices. The second resolution demanded that Section 1 (2) of the Act, which provides that a rate of profit which does not exceed the their average rate earned under pre-war conditions shall not be deemed to be unreasonable, shall be amended so as to empower local Committees to fix such rates of profit as they consider fair.

Chairmen's Recommendations.

The following resolutions were passed at a conference of chairmen of London Profiteering Committees, held at Westminster City Hall, on January 29:

(1) That this conference of chairmen of local Profiteering Committees is of opinion that the Profiteering Act should be amended, and that provision should be made thereunder by which wholesale profits can be investigated by a local Profiteering Committee or Tribunal on a complaint against a retailer;

(2) That the fixation of retail prices by a wholesaler be prohibited;

(3) That the current market value be excluded from consideration both in respect of cases of wholesale and retail profiteering;

(4) That the return of real capital at the altered value of money be taken into consideration when an inquiry as to reasonable profits is being made;

(5) That it is advisable that the proviso to sub-section (2) of Section 1 of the Act be omitted. [The proviso reads: "Provided that a rate of profit which does not exceed the their average rate earned by persons in the same way of business as the seller upon the sale of similar articles under pre-war conditions, shall not be deemed unreasonable."]

It was also decided to ask the President of the Board of Trade to receive a deputation from the conference. In reporting his attendance at this conference to the Kensington Profiteering Committee at its meeting on February 2, the chairman of the Committee said that the conference was the result of a suggestion that all the local Committees should resign. He agreed that there was not much profiteering going on among retailers, but thought it improper that wholesalers should dictate the retail prices. A member of the Committee said that the passage in the Act with regard to the pre-war price was the only guide that traders possessed, adding that prices were controlled by rings. "We are wasting our time," he declared, "investigating as to whether small retailers are profiteering." The chairman summed up the objects of the conference by saying that it desired to point out to the Board of Trade that the present Profiteering Act was of very little use.

Central Committee Case.

At the sitting of the Complaints Tribunal of the Central Committee held at the Hôtel Windsor, Victoria Street, London, S.W., on January 30, a complaint was investigated which had been lodged by the Medical Research Committee, Buckingham Street, Strand, W.C., regarding the price of collodion supplied to them by the British Xylonite Co., Ltd., Hale End, E. The complainants alleged that they were charged 14*l* 10*s*. 7*d*. for a gallon of the collodion, which they had previously purchased from the respondent company at a cost of 17*s*. 6*d*. Dr. H. W. Dudley, who appeared in support of the complaint, recalled the fact that in 1915 Dr. Walpole wrote a paper in which he mentioned that the British Xylonite Company were willing to supply the solution, which was essential for some research work. That was not a customary step to take when research work was published, and the result would be that other people would apply for the solution when it was recommended by a known research worker. In September 1915 a purchase of two gallons of the solution was made from the respondents at a cost of 17*s*. 6*d*. a gallon. Last September a gallon was ordered, and a charge of 14*l*. 10*s*. 7*d*. was made. The Committee refused to accept the solution, which was returned to the company, who sent them a credit note for the amount charged. The committee extracted a small portion of the solution, which they offered to pay for, but no charge was ever made for it. In answer to the chairman (Sir Herbert Nield, K.C., M.P.), Dr. Dudley stated that the committee were now purchasing a solution elsewhere at a price of about 28*s*. a gallon. Replying to Mr. A. Bramall, solicitor, who appeared for the respondents, the witness said he was not aware that before the war the solution could only be obtained from Germany, and pointed out that there was nothing very difficult about making it. He did not know that in 1915 the respondents were specially asked to make the solution, on the ground that it could not be obtained elsewhere. By Mr. W. Marshall-Freeman, barrister (representing the Association of Chambers of Commerce): Was any answer received other than the credit note from the respondents when you returned the material and complained of the price?—No, we heard nothing more. You have been asked whether you can accept the statement that before the war this was only made in Germany. So far as you know, would there have been the slightest difficulty in getting it manufactured by a score of firms of manufacturing chemists in the country for the asking?—None at all. Was there anything about this material which necessitated going for it to any particular firm?—Not essentially. It simply happened that one German firm had a reputation for the particular material, and people got into the habit of getting it there. Mr. Brammall, addressing the Tribunal, said that the charge of 14*l*. 10*s*. 7*d*. was a mistake. If, when the committee complained, they had mentioned that they had been charged 14*l*., the whole matter would have been rectified at once. As a solid the price was 37*s*. 6*d*. per lb., while the same amount was charged for a gallon of the liquid. The explanation was that when a gallon of the solution was evaporated, there remained a pound of solid matter called "chips." When the employé of the company to whom the order was handed saw that a gallon was ordered, he thought that a gallon of the solid substance was required. He estimated a gallon as being equal to 7 lb. 12 oz., and the charge of 14*l*. odd was made out in that way. His clients were specially requested to make the solution in 1915, when the supplies from Germany were exhausted. The company did not want to make it, and they only consented from patriotic motives, as they were told that medical people required it for the relief of suffering. Between 1915 and 1919 the turnover of the company was 4,000,000*l*., while in the four years the sales of the solution only amounted to 80*l*. From a business point of view the company ought never to have touched it, and would rather not have had the business. Between 1915 and 1918 no orders for the solution were received, and only "chips" were sold by the company. Mr. T. R. Brooke, the commercial manager of the company, gave confirmatory evidence. Sir William Pearce, M.P., treasurer of the Manufacturing Chemists' Association, testified to the high

standing of the respondent company. Mr. Bramall: What reputation do they bear in the commercial world?—The highest possible character. Their word is their bond. Mr. Claud Walterer, a clerk in the employ of the company, stated that he was responsible for the mistake. In answer to further questions the witness said that one other mistake had been made in dealing with the solution. Burroughs Wellcome & Co. ordered a quart, and were charged 3*l.* 12*s.* 7*d.* The error was eventually discovered and a refund was made. After consideration in private, the chairman said that the Tribunal was of opinion that it was a grave case, and the explanation given by the company in the early stages was not a complete statement. What the Tribunal thought was responsible was a system which had grown up in modern times of calling upon departments to justify their existence; and the Tribunal rather thought that the department in this case in relation to these two applications for the liquid article might have been careless—more than careless—in regard to the method of booking them up, in order to justify itself in relation to the general trade of the concern. The Tribunal were, of course, confronted with the fact that this was a limited company, and one which was doing a very extensive business, and if the case were sent for prosecution it would rest upon the individuals constituting the company to justify themselves in order to take advantage of the section of the Act relating to limited companies. There had been gross carelessness, and it lent itself to the belief, especially in the minds of those who were accustomed to business, that it was a gross and bad case. Nevertheless, the blame was not so much on those who would have reaped the benefit of any overcharge, as upon the careless way in which those in charge of the department had behaved. It was almost incredible that, two letters having been received from a public department whose custom one would have thought the respondents would have tried to retain, there was, in the interval between the making out of the invoice and the credit note, apparently no attempt to inquire more particularly into the matter, the goods being simply accepted when returned and the credit note sent, leaving the department to get the material when and from where they could. The Tribunal entertained very grave doubts, but, on the whole, thought that there should be a censure, and subject to that censure the case would be dismissed.

Complaints.

Bermondsey.—At the sitting of the Profiteering Committee on January 30, Boots, Ltd., appeared to answer a charge of selling at an excessive price, at their shop in Southwark Park Road, a bottle of Menley & James's Iodex, the price charged being 2*s.* The complainant stated that the price had been 1*s.* 3*d.*, and that, when she asked the reason for the increase, she was told that it was due to a 6*d.* stamp. She found, however, only an extra 3*d.* stamp on the package. Mr. Bramall, solicitor, who appeared for the respondents, said that the charge was due to a mistake. Messrs. Boots had received intimation that the retail price was to be increased to 2*s.*, but, owing to several cases that were pending, they had given instruction to their managers that old stock should be sold at the old prices. They were prepared to refund the customer 9*d.*, though they did not agree that they should not charge the current market price for their goods. The whole of the old stock had been recalled, so there would be no more trouble. The Chairman: I am very sorry to hear that, because it is very sharp practice. I am surprised at Boots. We have always looked upon Boots as being a reliable firm, but it is looking very bad for them now. Mr. Bramall: I do not wish to say what I think, but I hold we are entitled to charge current prices. We are compelled to buy this from the makers, and we have to buy it on the terms laid down by them. I am here to express regret that a mistake has been made. The Committee ordered a refund of 9*d.*, and directed a prosecution.

Eastbourne.—At the sitting of the Profiteering Committee on January 29, the hearing of a complaint against Mr. Arthur Moss, chemist and druggist, Grand Hotel Buildings, in respect of a sale of boric lint (*C. & D.*, January 24, p. 50) was concluded. Mr. A. C. Hillman, who appeared for Mr. Moss, read a letter from the respondent's sundries house, stating that the price of Fastnet boric lint was 5*s.* 3*d.* to 6*s.* per lb. at the end of 1918 when respondent purchased his supply. Mr. Moss having given evidence to the same effect, Mr. H. C. Brown, chemist and druggist, Cornfield Road, said that the pre-war profit on lint sold in small packets was 50 per cent. on selling price. It might have been more. He did not sell Fastnet lint, but he had seen it; it was very fine lint and much better than ordinary lint. After retirement, the Committee decided to dismiss the case. The chairman said that they wished to impress upon tradesmen the necessity of keeping documentary evidence to put before the Committee.—At the same sitting, the hearing of a complaint against Mr. Moss in respect of a sale of saxin tabloids at 2*s.* 9*d.* for 100 (*C. & D.*, 1919, p. 1495) was concluded. At the former sitting it had been submitted by Mr. Hillman that saxin tabloids did not come within the Schedule of the Act. On receiving a letter from the Board of Trade, however, the Committee decided that it did. Mr. Hillman said that the case had aroused a good deal of interest in the pharmaceutical world, and he gave notice that he would probably appeal against the decision that saxin came within the Schedule. Mr. Moss, giving evidence, said that from October 16 to November 1 he was away on holiday. The saxin arrived while he was away, and the fresh bottles were put with the two old bottles by the porter. Witness did not know that the price had been reduced until the day after complainant had bought the tabloids. If the complainant was supplied with a bottle from the June stock, the profit was reasonable; but if the bottle was from the October stock a mistake had been made. The charge in that case should have been 1*s.* 8*d.* instead of 2*s.* 9*d.* He was willing to refund the money. The Committee decided that an excessive price had been charged, and instructed that 1*s.* 1*d.* should be refunded. They were not proceeding against Mr. Moss in this case, but they thought he was guilty of culpable negligence in allowing the new stock to be put with the old.

Portsmouth.—At the sitting of the Profiteering Committee on January 29, Mr. P. G. Tremlett, chemist and druggist, Fratton Road, appeared in answer to a complaint respecting a sale of crushed linseed, the price charged being, it was stated, 1*s.* per lb. The complainant failing to appear, the case was struck out of the list.—At the same sitting, a complaint against a tradesman who had sold a tablet of Wright's coal-tar soap for 7*d.* was dismissed, the chairman remarking, however, that the Committee would bring to the notice of the Board of Trade the "practice" of selling goods at a price above the price marked on the wrapper.—At the same sitting, a tradesman whose daughter had charged a customer 2*d.* for a headache-powder marked "1½*d.*" was ordered to refund ½*d.*, and was cautioned.

St. Pancras.—At the sitting of the Profiteering Committee on February 3, Parke's Drug Stores, Ltd., were the respondents in two complaints alleging excessive charges for a 1-lb. jar of extract of malt with cod-liver oil and a tin of health salt at a local branch. Mr. Alfred Higgs, J.P., Treasurer of the Thames Valley Pharmacists' Association, appeared on behalf of the respondents. On the case being called, the complainant failed to appear. Mr. Higgs thereupon asked the Committee to dismiss the case forthwith, although he was prepared to prove that the complaints were unfounded. He desired, he said, to ask the complainant some questions, as a previous complaint had been made by him which was subsequently dismissed, and it appeared to him that the respondents were being victimised—and the Committee should not be used for such purposes. The clerk said that he had only sent the complainant notice of the hearing, so he was not bound to attend. A Member: It is very unsatisfactory for the respondents to have incurred the expense of bringing legal gentlemen here and the complainant not appearing. Both complaints were dismissed.

Torquay.—The Profiteering Committee, at its sitting on January 28, concluded the hearing of a complaint made against Mr. Frederick March, chemist and druggist, Flee

eet, who had charged 2*s.* 9*d.* for 1 oz. of essence of opermint (1 in 10), with bottle. The hearing had been journed for the opinion of the Board of Trade & *D.*, 1919, p. 1464). Mr. Almy, solicitor, who peared for Mr. March, said that Mr. John Taylor esident of the Torquay and District Pharmacists' Asotion) had stated in evidence that the ratio of profit s considerably less than in 1914. Mr. T. W. Dunsford, retary of the Association, gave evidence that the price rged by Mr. March was that adopted by chemists oughout the country, the price-lists produced having en accepted by every Profiteering Committee of which had heard. Mr. Almy having addressed the Comttee on behalf of the respondent, the chairman d that, according to the evidence, the pre-war t of making the essence was 4*d.* per oz., d it was stated that it was then sold retail at per oz. He worked out the present cost at between 2*d.* and 1*s.* 3*d.* per oz. The Board of Trade had taken e same figures, and they worked it out at 1*s.* 0½*d.* per oz. e Board considered that the price of 1*s.* 6*d.* per oz. s a fair one, and that the charge of 2*s.* 6*d.* appeared be an excessive one for an essence made from eign oil. The Board also quoted Section 1 (2) of the t (*C. & D.*, 1919, p. 1376). The Committee agreed that e charge was an overcharge, and that 1*s.* 6*d.* would be a ch fairer price. However, from a legal point of view ey felt that it would be absolutely useless to recomend any prosecution or order a refund, as, on appeal the technical point, they felt they would lose the case. e complaint would, therefore, be dismissed. Mr. March plained that the cost to him was 1*s.* 8*d.* per oz. The 2½*d.* per oz. referred to quantities of five gallons at ock-bottom" prices. The Committee must realise that a retail chemist that was not a business proposition.

Tunbridge Wells.—At a recent sitting of the Profiteer- Committee, a complaint was heard respecting a charge 2*s.* 8*d.* for a 1-oz. bottle of homœopathic tincture of onite, the respondent being Mr. J. H. Bishop, chemist d druggist, The Broadway. The case was defended by . W. C. Cripps, solicitor, instructed by the Chemists' fence Association, Ltd. The complainant failed to pear. Mr. Cripps said the charge had been 2*s.* 6*d.*, not 8*d.*, and that even if it had been 2*s.* 8*d.* there would ve been no profiteering. Before the war the selling price s 2*s.* per oz., and the cost had increased by nearly) per cent. The chairman expressed the Committee's npathy with Mr. Bishop, and said they could not too ongly deprecate anyone bringing an allegation of that d against a trader and then failing to appear to subntiate it.

Wandsworth.—At the sitting of the Profiteering Comttee on February 3, a complaint was heard against ncent & Co., chemists, High Street, Clapham, S.W., th regard to the price charged for a box of night-lights, which the complainant had paid 1*s.* 3*d.* At two other ops the prices were said to be 11½*d.* and 1*s.* respectively. . Ernest George Harris, chemist and druggist, manager the respondents, contended that only a reasonable ofit was made. They so rarely sold that particular icle, he said, that when the complainant asked for a x he turned up the price-list. He found that they cost s. 6*d.* a dozen. The gross profit was 30 per cent., witht any allowance for working expenses. The Chairman: u have always had working expenses?—Naturally. u put on your profit to give you working expenses with little over?—Exactly; that is what I am trying to do. answer to the question of a member, witness said that fore the war he paid 7*s.* 6*d.* per doz., and sold at 10½*d.* box. The chairman said that the respondents had stified themselves, because they had proved that they re making no more profit than before the war, and the t distinctly stated that they were entitled to make the ne profit. The case was dismissed.

Prosecution.

At Tower Bridge Police Court, London, on January 29, ots Cash Chemists (Southern), Ltd., were summoned selling at an unreasonable profit a bottle of Rogers' Nursery Hair Lotion (*C. & D.*, 1919, p. 1330). Mr. Travers Humphreys appeared for the prosecution, and Sir Archibald Bodkin defended. Mr. Humphreys, having outlined the case, called the complainant, who related the circumstances of the purchase. Cross-examined: The "8*d.*" was stuck over the original "7*d.*," and bore a date and the name "Rogers." The "1*s.*" was pencilled over that. The assistant never said the price had been raised. He said the price as marked was just as it came from the manufacturers. The assistant-clerk to the Bermondsey Profiteering Committee gave formal evidence concerning the proceedings before the Committee. Cross-examined: The proceedings were not of the "go-as-you-please" order. The Committee received instructions from the Board of Trade from time to time. They had not yet received one headed "No. 25." Sir Archibald Bodkin, addressing the Court, said that a charge had been made, and it was for the Court to determine whether a case had been made out or not. The defendants carried on the branch in Southwark Park Road as retail cash chemists. Mr. Rogers, the proprietor of the lotion, only sold to the wholesale, and the company which bought was Boots Pure Drug Co., Ltd., a purely wholesale house. Boots Cash Chemists (Southern), Ltd., were a purely retail house, and got their supplies from Boots Pure Drug Co., Ltd. If an article came to the wholesale house, and was a proprietary article which the manufacturer said must be sold at 1*s.* retail, that article was invoiced to the retail shop at 1*s.* At the end of each month the goods which had been sold by the wholesale house to the retail were paid for, less 22½ per cent., and that 22½ per cent. (gross profit) was the only profit the retail got on the transaction. In order to arrive at the net profit, establishment charges had to be deducted. The bottle in question, now called the 1*s.* size, had been charged by Mr. Rogers at 7*d.*, with a condition that it should not be sold retail at less than 1*s.* That was sold by the wholesale house to the retailer at 9¼*d.* This left the retailer 22½ to 23 per cent. on the sale at 1*s.* From October 1918 to March 1919 the price was 8*d.* retail; prior to that it had been 7*d.* Mr. Rogers denoted the change in the selling price after this date, and he stuck on the adhesive 8*d.* label before the goods left his warehouse. He again increased the price in April or the beginning of May 1919, when it was made 1*s.* retail and 7*d.* wholesale. Counsel contended that, whether their stocks came in early or late, defendants were entitled to sell any or all of them at the price current at the time. It would be impossible to differentiate between a bottle of anything delivered in May and another delivered in June. No firm could sell from one end of a row at 8*d.* and the other end at 1*s.* He was certain that the Committee had not the remotest idea what they were doing when they fixed the retail price to the customer to be 7*d.*, as that was exactly the price paid by the wholesale house to the manufacturer last year. According to the directions issued by the Board of Trade to the local Profiteering Committee, the Court must take into consideration what it would have cost to replace the stock after May 1919, which was 7*d.* Profiteering, under the Act, meant the intentional putting on of an unreasonable profit, and he maintained that that interpretation did not apply in the present case. That decision had been held only recently by a bench of justices. The Magistrate: Fellows' Phosphates, I believe? Sir Archibald Bodkin: Yes. The case was adjourned to February 14.

Golden Hair and Evolution.—Lecturing recently in London on plant-life, Professor A. W. Bickerton made the following observations on the value of oxygen to the hair: "A reasonable amount of oxygen is not a bad thing for the hair, and a little peroxide of hydrogen is quite a good means of cleansing the hair from the dirt that accumulates in London. Do not, therefore, altogether despise the people who overdo it, and suddenly appear with golden heads. You may put it down to vanity, of course, but I have come to the conclusion that a certain amount of vanity is a valuable factor in evolution."

Legal Report.

Early-closing Regulation Case.—At London Sessions, on January 29, Mr. Theophilus Morgan Davis, chemist and druggist, appealed against a fine of 21*l.* imposed at Bow Street Police Court on November 24, for allowing his shop, at 37-38 Coventry Street, W., to remain open after 8 P.M. (*C. & D.*, 1919, p. 1368). Mr. Travers Humphreys represented the respondent magistrate. Sir Archibald Bodkin, for the appellant, argued that the flow of customers after eight o'clock was so continuous that it was impossible to turn off the lights. The Chairman: That does not excuse the lights in the window. Sir Archibald Bodkin: I submit that, under the Act, once a customer is inside the shop there is absolutely no limit to the amount of light which can be put on. Counsel further contended that other shops in the neighbourhood had brilliant lights on after closing-time in order to attract future customers. The appellant thought he had a right to indicate that his shop was a pharmacy. Mr. Davis, in the witness-box, said that he had a large number of doctors among his customers. Mr. Travers Humphreys: How do you know they are doctors? Witness: Well, a doctor is entitled to a discount, and they usually let one know. (Laughter.) In dismissing the appeal, with costs, the chairman said that the appellant had made no endeavour to close his shop in accordance with the law, and the conviction and fine must stand.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Barclay's Stores (Ealing), Ltd. (P.C.).—Capital, 24,000*l.* Objects: To carry on, among other businesses, that of chemists and druggists. R.O.: 3 Fleet Street, London, E.C. 4.

Blake's Medical Stores, Ltd. (P.C.).—Capital, 400*l.* Objects: To carry on the business of vendors and manufacturers of surgical and medical appliances and druggists' sundries. R.O.: 67 Middle Abbey Street, Dublin.

Cinema Soap Co., Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of manufacturers of and dealers in soaps, dentifrices, shampoo-powders, starch, patent medicines, etc. R.O.: 22 Finsbury Park Road, London, N. 4.

Dulac, Ltd. (P.C.).—Capital, 50,000*l.* Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are E. W. Arnold, H. Hesford, and P. Villain, 14 Effra Road, Brixton, S.W., perfumer.

Phosvis, Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of manufacturers of a soluble form of vegetable phosphorus known as "Phosvis," and to adopt an agreement with E. Hall. R.O.: 39 Victoria Street, London, S.W. 1.

J. & J. H. White, Ltd. (P.C.).—Capital, 500*l.* Objects: To acquire the business of chemists and druggists carried on by J. White at 6 Artillery Quay, Waterford. The first directors are: J. White, Fermoy; J. H. White; and J. Oldham, Atkinson, Rathdrum. R.O.: Artillery Quay, Fermoy, co. Cork.

Dodsleys, Ltd. (P.C.).—Capital, 1,000*l.* Objects: To carry on the business of pharmacy and drug-store proprietors, chemists, druggists, etc. The first directors are: C. Wilbond, 43 Reynolds Street, Burnley, drug-store proprietor; C. Ingham, 18 Haven Street, Burnley, pharmacist. R.O.: 6A Hargreaves Street, Burnley.

Vernon Laboratories, Ltd. (P.C.)—Capital, 5,000*l.* Objects: To take over the business of the Vernon Laboratories, and in particular the recipes for and right to manufacture and deal in the Verness Toilet Preparations, etc., and to adopt an agreement with S. Vernon, L. Harford, A. E. White, and Isabel M. St. Leger Kenealy. R.O.: Vernon House, 45-6 Lower Marsh, London, S.E.

Rexean Co., Ltd. (P.C.).—Capital, 2,000*l.* Object To take over the business of blenders of essential o and manufacturers of perfumes and toilet preparatio and agents for manufacturers of specialities in brac garters, office equipment, filing systems, stationery, et carried on by H. R. Healey and Agnes M. Healey, Southport, as the "Rexean Co." R.O.: 141 Lord Stre Southport.

Titon (Liverpool), Ltd. (P.C.).—Capital, 2,000*l.* O jects: To carry on the business of manufacturers, i porters and exporters of and dealers in raw materials us in connection with building, plumbing, shopfitting a sanitary engineering, carpenters, glaziers, manufacture of and dealers in chemicals, drugs, etc., and to adopt agreement with J. Ripoll and J. V. Varela. R.O., 9A a 9B Leather Lane, Liverpool.

Robert Bailey & Son.—The new issue offered for su scription in The Chemist and Druggist of January was oversubscribed. Allotment forms and letters regret will be forwarded in due course.

Bottle Company.—The Lancashire Automatic Gla Manufacturing Co., Ltd., is about to be formed, with capital of 400,000*l.*, for the manufacture of medici bottles by modern automatic machinery. The factory w be at Trafford Park, Manchester, and an output of fort two million bottles is to be provided for. Mr. W. I Veno ("Veno's Lightning Cure") is one of the directo and we understand that applications for shares receiv from chemists will receive preferential allotment.

The Orient Co., Ltd.—In the Chancery Division, January 30, Mr. Justice Russell sanctioned a petiti enlarging the objects of the Orient Co., Ltd. Mr. H. Wright explained that practically all the shares of t company had been acquired by a London syndicate. I business had been principally in the various products coconut palm, but it now desired power to become man facturing chemists and druggists, and to deal in all kin of chemical substances and by-products, vegetable, anim and mineral oils, dyes, glycerin, etc.

Boots, Ltd.—To the Western, Lancashire and Southe subsidiaries, states the "Financial Times," Boots Ca Chemists has now added a Northern undertaking, whi owns fifty-six shops in Yorkshire, Cumberland, Durha Northumberland, and Scotland. "Boots" has hither had no secure footing across the Border, but the intenti now is evidently to extend as energetically in that quart as in England. The Northern company was original formed in 1910, with a capital of 1,000*l.*, and as a nucle for operations it bought up the series of businesses own in Newcastle-upon-Tyne and Edinburgh by Inman & C and subsequently the group of shops in Edinburgh b longing to Gibson & Co. The outbreak of war hampere later developments, but the capital has now been i creased to 450,000*l.* in 150,000*l.* "A" six per cent. cum lative, 150,000*l.* "B" seven per cent. cumulative, a 150,000*l.* ordinary shares.

Parke's Drug Stores, Ltd.—The twenty-fifth annu meeting was held on January 28 at 65 Harmood Stree N.W., Mr. John Murison, chairman and managing dire tor, presiding. In moving the adoption of the report an accounts, the chairman referred with deep regret to t loss the company had sustained by the death of the colleague, Mr. Percy Warnford-Davis, who had bee chairman of the company since its inception. He w pleased to say that his son, Mr. Darryll Warnford-Davi had been co-opted as a director. Turning to the account he observed that they were the best ever presented to t shareholders. The Board had strengthened all the asse and reserves, having considered this absolutely necessar under the somewhat oppressive taxation from which the were suffering. The items on both sides of the balan sheet showed increases, but that was in consequence of t very considerable growth of the turnover. The depreci tion of leases had been met, as usual, out of revenue, an they had expended more on the upkeep of their propert They had allocated 3,000*l.* to reserve, and were carryin forward 8,000*l.* odd to the current year's accounts. M George Paxton seconded the motion, which was carrie unanimously, and the dividend recommended by the Boar (*C. & D.*, January 24, p. 53) was agreed to.

Bankruptcy Report.

.e **Herbert James Gibbins,** 56 Ludgate Hill, ldon, E.C., formerly chemical merchant, etc. An ication for an order of discharge was made on nary 23 to Mr. Reginald Francke, at the London kruptcy Court, on behalf of this bankrupt. Mr. D. liams, Official Receiver, reported that two previous ures were recorded against the applicant. He was ıdged bankrupt in July 1893, while trading as a nical merchant and commission agent; his liabilities amounted to 4,297*l.*; no dividend was paid, and he lined his discharge in November 1895, subject to a ension of two years. The second occasion was in ember 1912, when the bankrupt was acting as a com- y secretary; the liabilities were then returned at 0*l.*; again no dividend was paid, and the discharge was ended for two years. The bankrupt again failed in ust 1919; the liabilities were given at 634*l.* 10*s.* 4*d.*, no assets were disclosed. The application was opposed the Official Receiver on the grounds of (1) insufficiency ssets to equal 10*s.* in the £ on the amount of the cured liabilities; (2) contributing to the bankruptcy injustifiable extravagance in living; and (3) the two pre- s bankruptcies. Mr. Eddy, on behalf of the applicant, ed to take an immediate discharge, subject to a judg- t for 25*l.*, but the Registrar held that it would be nst public policy to allow that to be done in a case re a man had been twice previously bankrupt, and osed a suspension of two years. Order entered rdingly.

Deed of Arrangement.

tout, John Alexander, 231 Knight's Hill, West Nor- d, chemist and druggist. Trustee, P. S. Booth, Kimberley House, Holborn Viaduct, London, E.C., untant. Dated January 23; filed January 30. bilities, 479*l.*; estimated net assets, 289*l.* Among the litors are: Barclay & Sons, Ltd., 32*l.*; John Bell, ls & Lucas, Ltd., 66*l.*; W. B. Browning & Co., Ltd., Burroughs Wellcome & Co., 7*l.*; E. Cook & Co., ., 6*l.*; D. & W. Gibbs, Ltd., 4*l.*; Kodak, Ltd., 35*l.*; ol, Ltd., 7*l.*; Menley & James, Ltd., 6*l.*; Parke, Davis o., 5*l.*; Smith & Co., 4*l.*; Wright, Layman & Umney, ., 25*l.*; and McClintons, Ltd., 4*l.*

Gazette.

Partnerships Dissolved.

ott, G., and Rance, W., 13 Prince of Wales' Road, Kentish Town, N.W. 5, druggists and herbalists, under the style of Rance & Ascott.

ger, B. L., and Singer, W. M., 7 Clifton Street, Finsbury, London, E.C., essential-oil merchants, under the style of L. Singer.

itchen Prophylaxis.—According to a contributor to he Morning Post" of January 30, one of the simplest most effective ways of "warding off the 'flu" is to e an infusion of "elder blossom and peppermint"—a ndful" of each to 1½ pint of boiling water. This is l to be "so effectual that you cannot take it in vain."

All Balsam."—Amusement was created at a recent ing of the Brighton Profiteering Committee by the ding of the following letter: "Worshipful Sir,—I have ntly purchased three bottles of Bunkum Balsamic m at three different chemists, but all at the same price s. 6*d.* per bottle. Since then I have discovered that an purchase the same preparation at Shoe's Stores at 5¾*d.* Is not this a case of the most outrageous pro- ering? Can I demand from each of these thieving mists the return to me of the farthing of which I have n robbed? Also would you recommend a prosecution?

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(From "The Trade-marks Journal," December 31, 1919.)

"Detoxicated, Wimpole" over picture of bird; for vaccines (11). By the Wimpole Institute, 128 Harley Street, London, W. 1. 392,346.

"Bleeko"; for all goods (42). By Bleeker Export Trading Co., Inc., 22 Albany Street, New York, U.S.A. 394,080. Picture of traversing jack; for food substances (42). By H. Whitworth, Ltd., 115 Princess Street, Manchester. 394,898. (Associated.)

"Ultimatum"; for food substances (42). By the Southern Cotton Oil Co. of Great Britain, Ltd., 18 Creechurch Lane, London, E.C. 3. 396,649.

"Mayboy"; for food substances (42). By H. E. Davenport, Ltd., Farleigh Road, Stoke Newington, London, N. 16. 396,679.

"Chamois" under picture of same; for goods (47). By S. D. Simond & Co., Ltd., 10 Monument Street, London, E.C. 3. 385,189.

"Wylfra"; for all goods (47). By Stanford, Wylie & Fraser, 123 Mansion Street, Possilpark, Glasgow. 395,918.

"Jimp" and "Jimp the Napthatiser"; for goods (47) and for perfumery, etc. (48). By T. Hedley & Co., Ltd., City Road, Newcastle-on-Tyne. 396,573/4/5/6. (Associated.)

"Samsonola"; for perfumery, etc. (48). By J. St. Guido Reynolds-Tait, 2 Natal Bank Chambers, Durban, Natal. 392,187.

"Parfum Duma" and device; "Dayco" and device of seal and holly; for perfumery, etc. (48). By C. Midgley, Ltd., 5 Mayes Street, Manchester. 393,690 (associated); 395,423.

"Salota"; for liquid soap (48). By J. A. Mackay, 22 East Park Road, Harrogate. 395,402.

"Rampart" on flag flying over wall bearing words "Purity Protection" ("Purity Protection" disclaimed); for perfumery, etc. (48). By J. H. Ramsay, 380 Dumbarton Road, Partick, Glasgow. 396,010.

"Ka-nag-ra"; for perfumery, etc. (48). By J. Bloomfield, 14 Fernwood Road, Newcastle-on-Tyne. 396,163.

"Sperol"; for all goods (48). By D. A. Edwards, Northcote House, Minster Road, London, N.W. 2. 396,935.

"Point du Jour"; for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W. 1. 397,270.

(From "The Trade-marks Journal," January 7, 1920.)

"H P" on circular device; for all goods (1). By H. Pickup, Brook Street Ironworks, Scarborough. 395,887.

"Fenaline" on device; for chemicals (1) and for goods (4). By N. J. Fenner and H. B. Alder & Co., Ltd., 120 Fenchurch Street, London, E.C. 2. 396,616/7. (Associated.)

"Arsinette"; for chemicals (2). By the Yalding Manufacturing Co., Ltd., near Hampstead Lane, Yalding, Kent. 397,327.

"Fer-malt" across monogram "J V H" ("Fer-malt" disclaimed); "Nunerv" across monogram "J V H" ("Nunerv" disclaimed). By J. V. Hall, 18 Temple Fortune Arcade, Finchley Road, N.W. 4. 393,632/3. (Associated.)

"Metona"; for medicinal chemicals (3). By D. F. Johnstone, Abbotsford Pharmacy, High Street, Melrose. 395,953.

"Invicta"; for all goods (3). By C. Jackson, 67 Castlereagh Street, Sydney, N.S.W. 396,831.

"Devo-Meter"; for scientific instruments (8). By C. H. Hamilton, Homelands, Strete, near Dartmouth, Devon. 394,314.

"Dacol"; for metal spectacle frames and cases (13). By Davies, Coleman & Co., Ltd., 40 and 42 Holborn Viaduct, London, E.C. 1. 396,544.

"Staff Allens" under picture of camel and turtle; for edible oils and spices (42). By Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, London, E.C. 2. 392,295. (Associated.)

"Rox"; for food substances (42). By the Rox Co., Ltd., 7 Ely Place, Holborn Circus, London, E.C. 1. 396,720.

"Dynamo" under picture of same ("Dynamo" disclaimed); for goods (47). "Monsieur Beaucaire"; for perfumery, etc. (48). By C. Thomas & Bros., Ltd., Broad Plain Soap Works, Bristol. 395,821; 396,637.

The Destruction of Rats.

It is important that chemists should continue to take the leading part in supplying the public with the destructive agents required in the campaign against rats, especially in view of the powers conferred upon Public Authorities by the Rats and Mice (Destruction) Act which came into force on January 1. We have therefore asked a pharmaceutical chemist with special knowledge to write us a series of articles dealing with the various aspects of the subject.

IV.

Although poisoning occupies at present so prominent a position, there are many other methods of destruction which in certain circumstances are to be preferred. Of these, it will be convenient to deal first with

Fumigation.

The agents most usually employed are sulphur, formaldehyde, and carbon bisulphide, carbon dioxide and chlorine being used less frequently. There are on the market machines suitable for use in forcing such a gas as sulphur dioxide under pressure into the burrows of rats—a particularly useful means of extermination in hedgerows and rubbish heaps. When this method is used the young rats within reach of the gas will be killed, and their mothers with them (for maternal love is strong enough to overcome the instinct to bolt, even in a gas attack). Some adult male rats may also be killed in their burrows before they can get to safety, but many buck rats—alas, for the stronger sex!—will run for their lives, and provide brief spells of excitement for men and dogs awaiting them. Practically all incoming ships require to be fumigated, preferably with sulphur dioxide, and this is an invariable practice at some ports. Fumigation in dwelling-houses is rarely a practicable method of rat-destruction.

Carbon bisulphide is commended by the Ministry of Agriculture for destroying rats in burrows, though the statement is added: "It should never be used about buildings where there is fire, as it is highly volatile, inflammable, and explosive. It should be applied after rain or when the soil is wet." One useful method consists in filling a bee-smoker with cotton waste, igniting it, and driving the smoke into a rat-hole to the windward of other holes. All other holes but one are closed, and a bunch of cotton-wool saturated with about two ounces of carbon bisulphide is pushed with a stick as far as possible into the open hole, which should then be closed immediately. Or wads of some suitable fabric, soaked in carbon bisulphide, may be pushed into all the rat-holes, these being promptly closed with earth. Tar, chloride of lime, slaked lime or thin whitewash, caustic potash, and petrol are all effective agents for use in the process of making the rat's habitation desolate and his life a burden.

Trapping.

Trapping will continue in favour with some, and though it is unnecessary to deal here with spring or cage traps, it will be worth while to refer to the use of sticky materials—a method which, though condemned as cruel by some, is showing signs of becoming popular. There are two substances commended—lithographic varnish and the so-called "Japanese birdlime"—which, of course, is not birdlime but a vegetable product from the inner bark of the holly. In using either of these, the sticky substance is spread on strawboards, measuring, say, fifteen by twelve inches, a small margin being left all round, and a suitable bait being placed in the middle of the board where it will adhere. The lithographic varnish requires to be warmed before it can be spread, and the layer should be not more than one-eighth of an inch in thickness. This is a method publicly advocated by the Medical Officer of Health for the City of London, who states that the rats, in his opinion, die of fright, or in some instances, if more than one is on the trap at a time, from attacks on each other. "Japanese birdlime" is obtainable from the wholesale drug-houses, and in view of the success which has attended its use for similar purposes, it can probably be employed with good ef as a rat-trap.

Virus.

The only method which ever seemed likely to pro to be effective in wholly exterminating rats over l areas was that which involved the use of bacilli pathog to rodents. If a virus could always be relied on to sp a fatal epidemic among all rats and mice any district, probably no other method of destruc would have a "look-in." Now viruses, prepared by pert workers in bacteriological laboratories and s dardised presumably by scientific methods, have several years been widely advertised and largely emplo The ordinary virus for rats can be obtained on jelly glass tubes, or in tins ready prepared with the bait. attenuated culture can be obtained for mice, and a m virulent virus can be had for use on any communities rats which seem to be specially resistant. The vi causes an intestinal disease, which is communicated fr rat to rat; and, after seven or ten days, infected r die of general blood-poisoning, as the bacilli invade blood from the intestine.

Quite satisfactory testimonials have been given by m users of virus, as may be seen on reference to "The B of the Rat" published by Evans Sons Lescher & W Ltd. But there are viruses and viruses. Also, not persons employed to use it have the same degree of sk For one reason or another, therefore, in spite of proved value of virus in many cases, there is question that many users of virus have been appointed. The destructiveness of virus seems to b varying quantity, and it has been suggested that m rats acquire immunity and become infection-proof. ther, it would seem that at least a proportion of medical profession are still in doubt whether organism is entirely non-pathogenic to other animals o man. An infected rat, it is thought by some, may c taminate human food during the considerable inter which sometimes elapses before the disease proves fa In these circumstances, many independent authorities c sulted by the writer appear to agree in giving to virus praises which are so qualified as to be remarka like "faint damns"; and the Ministry of Agricult seems to be particularly careful at present to refrain fr recommending bacterial methods of destruction. It m be that some day bacteriology will hold the field entir in such matters, but in the meantime it must prove it more definitely and universally effective. Meanwhile, is noteworthy that the two principal makers of virus taking steps to make it known that they are also able supply squill-poison—a step which is a pretty clear dication of "the way the wind is blowing."

In passing, it may be mentioned that in Paris resources of electrical science have been invoked, many rats, especially in sewers, have been electrocuted the use of a live wire, hung with tempting baits; wh the amount of petrol which finds its way into drains in neighbourhood of motor works is often sufficient to cl the sewers for long distances.

Deodorants.

An objection which is commonly urged by household against the use of poison is that any rats and mice wh may be killed will be likely to die and putrefy bene the floors or behind wainscoting. The experience most rat-catchers tends to show that this danger is m less than is commonly supposed, and that poisoned r in a great majority of cases die in the open. Still, possibility always remains that some will die and dec pose indoors, and if the rat has come from a drain, put faction of the carcase may be regarded as probable. experienced chemist and druggist will be in no difficu in suggesting suitable deodorisers if the demand aris Apart from the more usual disinfectants and perfum zinc chloride is perhaps particularly suitable as an ag for neutralising the offensive chemical products of put faction, and is easily dropped through a small hole bo in the floor where the smell is worst, the orifice be then closed with a well-fitting cork. The Ministry Agriculture recommends as a cheap deodorant, a v

eak solution of lead nitrate—half a drachm mixed in e pint of boiling water, added to a pail of cold water, which 2 drachms of common salt are dissolved. The inistry suggests that a cloth should be saturated in is solution and hung in the room where the smell is evalent. The writer confesses that he has not tried is recipe, but that if he had a decomposed rat under e floor he would be careful to adopt a much more drastic medy.

For any further information as to matters arising out the Rats and Mice (Destruction) Act chemists should fer either to the Executive Officer for Rat Destruction pointed by the local authority for the area, or to the eneral Secretary, Ministry of Agriculture (Rats Branch), Whitehall Place, London, S.W. The Vermin Repression ciety, 44 Bedford Row, W.C. 1, is also in a position give some information, and is understood to take a ecial interest in the subject of proprietary rat-poisons.

The writer will venture to end with a prophecy. efore long the advances of chemical, physical, or bacteriogical discovery will throw much more light on the oblem of cheap and rapid rat-extermination on a large ale—and most of the methods now in favour will be perseded.

Timing Insurance Dispensing.

r. W. H. Harris, Dover, is convinced that the estimate of five minutes as the time required to dispense a mixture in Insurance dispensing is an under-estimate, and he supports his view with the following facts.

n attempt is here made to obtain a truer estimate of e time needed in dispensing by considering several ctors usually neglected.

Receiving the Prescription.—When a customer enters e pharmacy, the chemist, who may be in the dispensary, as to walk to the counter to receive the prescription. he script must be examined to see what ingredients are dered, and when the medicine will be ready. Payment ay be required for containers, and change has to be ven. In some cases an explanation has to be made or ven, and this takes a certain amount of time. Estimate f the time required—one minute.

Dispensing.—The specialised work of a qualified pharacist who has received on an average seven years' aining and has spent a minimum of 400*l.* before acquirg his qualification. Dispensing involves checking the rescription for unsafe doses or other errors, and, if ecessary, communicating with the prescriber. The label as to be written, then the ingredients required to be ssembled, accurately weighed or measured, and scientifically compounded. The bottle is to be corked and wiped, he label affixed, and the whole operation checked. The ime required is from four to fifteen minutes, or an average f seven minutes.

Handing Out.—This includes walking to the customer rom the dispensary, and invariably means asking one r more questions, such as "What name?" or, in case of ommon names, asking for the initials and whether Mr. r Mrs. The customer frequently asks a few questions s to how the medicine is to be taken, etc. Estimate of ime required—half a minute.

Stock-keeping.—An important item, often overlooked, nvolving ordering, unpacking the goods, checking, indexing, putting into stock, filling dispensary containers, making stock solutions, dusting, etc. On an average one our's stock-keeping is required for every thirty Insurance mixtures. This gives an average of two minutes.

Rendering Insurance Accounts.—Each form has to be stamped and the counterfoil separated. The forms have to be sorted and tied into bundles according to the prescriber. Then comes counting and checking, making out list, wrapping up for post, etc. The counterfoils have to be filed or kept in some other way for reference. Estimate of time for each script—half a minute.

This gives eleven minutes as the average time required for each mixture.

Expenses.—There are breakages, losses of ingredients owing to slips in dispensing, etc. The Pricing Committee's deduction of approximately 5 per cent. has to be allowed for. It should be noted that 2½ per cent. of the total amount payable to the chemist is deducted. As, however, about 50 per cent. of the total amount is for drugs at cost price, it follows that the allotment expenses are deducted from the dispensing-fees. The establishment expenses are not less than 1*s.* 3*d.* to 1*s.* 6*d.* per hour.

On first consideration it would seem that the estimate of eleven minutes for dispensing a mixture is rather high, but it must be remembered that the chemist is paid for his personal services, and, when everything involved in the dispensing is considered, eleven minutes per mixture is a fair estimate. This would mean five and a-half mixtures per hour, or fifty per day of nine hours. A chemist who dispenses properly fifty Insurance mixtures day after day, and does everything himself, puts in very good work of which he need not be ashamed.

What does he get for it?

	s.	*d.*	*s.*	*d.*
50×5.4*d.* = ...			22	6
Less 5 per cent. allotment expenses	1	1½		
Less establishment charges at (say) 1*s.* 3*d.* per hour	11	3		
Less breakages, etc. (say) per day ...	1	0		
			13	4½
Leaving a net salary of			9	1½

per day (1*s.* 0½*d.* per hour). In addition he holds stock of considerable value, and hands it over to patients, free of all charge, to the benefit of the Government, and the chemist has all the responsibility of keeping open an establishment into the bargain. There is also the extra curtailment of his liberty and recreation hours under the rota scheme to an extent as yet unknown. Now, 9*s.* 1½*d.* per day is a net salary of 2*l.* 14*s.* 9*d.* per week, or 142*l.* 7*s.* per year, for full employment of fifty-four hours per week—no summer holidays have been allowed for.

Compare with this a panel doctor's 1,000*l.* to 1,500*l.* per annum and bonus, or the Pharmaceutical Society's secretary's 900*l.* per year, for presumably part-time employment. It is to be hoped, when the terms of remuneration are reconsidered in June, that chemists will be able to obtain justice.

The writer is strongly of opinion that all materials supplied should bear a fair profit, in addition to an adequate dispensing-fee. It is an impossibility to have payment by fee alone which is equally just in cases where ingredients cost a few pence only and where drugs or appliances cost a considerable sum. The minimum terms which would make a contract worth while and worthy of the best work would be a dispensing-fee at 4*s.* 6*d.* or 5*s.* per hour, which, after deducting expenses, would leave about 3*s.* per hour net salary to the chemist, and a profit of 33⅓ per cent. on cost of all drugs and appliances supplied, as per the original Insurance terms.

Ipecacuanha Wine is being recommended for application to the gums in cases of tenderness caused by pyorrhœa: it is also said to be useful for painting or dabbing on gum-boils.

The Blackburn Education Committee has intimated its desire that the Blackburn Technical School be recognised by the Pharmaceutical Society of Great Britain as an institution in which students of pharmacy can take courses of study. A full-time pharmacist will, it is stated, be appointed as lecturer when a sufficient number of students is enrolled.

Mexican Jalap and Sarsaparilla.—There is a scarcity of jalap and sarsaparilla in Mexico owing to the revolutionary conditions, labourers being unable to work in the interior. This condition is likely to continue for some time, as the Mexican Government is unable to give protection to the people living outside the larger cities. Most of the jalap and sarsaparilla shipped from Santa Cruz comes from Cordoba and Jalapa in the State of Vera Cruz.

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Festivities.

Plymouth Junior Chemists' Dance.

A successful social event and dance was held recently by the "Juniors." The musical programme was provided by Misses Ball and New, and Messrs. Harris and Hunt. Messrs. Searle and Hallet acted as M.C.s.

Bolton Pharmacists' Whist-drive.

The Bolton Pharmacists' Association held an enjoyable whist-drive, supper and entertainment on January 28, at which forty-eight ladies and gentlemen attended. Prizes for whist were given by Mr. and Mrs. Blain, and were presented by Mrs. Fox.

Glasgow Tutorial College Dance.

On January 27 the students of the Tutorial College, Ltd., 30 Elmbank Crescent, Glasgow, held their first annual reunion at the Prince of Wales Halls. The principals, staff, students, and friends, along with members of the staffs of the Glasgow University and the Royal Technical College, were present to the number of about 150.

Presentation at Bournemouth.

At a complimentary smoking-concert held at the London Hotel, Bournemouth, on January 30, Mr. F. J. North was presented with a clock by his colleagues on the local staff of Boots, Ltd., and also with a framed photograph by the committee of the Bournemouth Chemists' Assistants' Association, on the occasion of his leaving the town.

Burroughs Wellcome & Co's. New Year Party.

Over 260 members of the clerical staff of Burroughs Wellcome & Co.'s chief offices, London, held their New Year party on January 28 in the City Temple Lecture Hall. The programme included games, dances, and competitions, and the musical and other items of entertainment, contributed entirely by members of the staff, were well rendered and much appreciated.

Anniversary of J. L. Hopkins & Co., New York.

Mr. J. L. Hopkins, President and founder of the crude-drug house of J. L. Hopkins & Co., 100 William Street, New York, was invited to a luncheon at the Drug and Chemical Club by the heads of the twenty-one departments of the firm in honour of his thirtieth anniversary as a crude-drug merchant. A retrospective address was delivered by Mr. A. U. Andrus (treasurer of the organisation), covering the business career of their guest, and as a memento of the occasion Mr. Hopkins was presented with a handsome travelling set. In replying, Mr. Hopkins reviewed a few incidents of his life, and pointed out that the policy of the firm towards its employés was one of interest and benefit, with a full share for everyone. He expressed his heartfelt thanks for their loyalty and support, and called for a continuance of the co-operation which existed within the firm.

Mr. J. L. Hopkins.

Glasgow Pharmacy Athletic Club.

Under the auspices of the Athletic Club, another successful whist-drive was held in the Association's House, 165 Hill Street, on January 27. There was the usual crowded attendance, and Mr. W. Wood Wilson (President) occupied the chair. Winners of prizes were: *Ladies*: 1, Miss Mitchell; 2, Miss McCallum. *Gentlemen*: 1, Mr. A. Forbes; 2, Mr. Arthur Watt. An enjoyable musical and elocutionary programme followed, the artistes being Miss Fletcher, Messrs. Seale, McArthur, and Dickson. Mrs. Geo. Mackay presented the prizes, which were provided by the club. The next function has been arranged for February 17.

Boots' London Wholesale Drug Staff's Gathering.

By the kindness of Sir Jesse and Lady Boot, the London wholesale drug staff of Boots Pure Drug Co., Ltd., 80 Borough Road, S.E. 1, were entertained at Boots' Regal Café, 182 Regent Street, W., on the evenings of January 28 and 29 and February 3. A daintily served tea was provided, and an orchestra rendered an excellent programme. After tea Mr. P. Middlemiss, late of the "Curios Concert Party" attached to the 48th Division, gave an entertainment, followed by dancing, whist, games, and competitions. In the unavoidable absence of Sir Jesse and Lady Boot, Mrs. P. Sparks presented the prizes to the successful competitors. A cordial vote of thanks to Sir Jesse and Lady Boot, Mr. and Mrs. Sparks, and the organisers of the arrangements terminated the proceedings.

New Books.

Pooley, A. M., M.A. *Decimal Money Tables containing Conversion Tables for the Reduction of English Money from and into any Foreign Money.* 9¾ in. × 7 in. Pp. 46. 2*s.* 6*d.* net. ("Syren and Shipping," 91 and 93 Leadenhall Street, London, E.C. 3.) [Contains (*a*) ready reckoner in decimal currency and conversion tables for reduction of English money to any foreign money; (*b*) ready reckoner in pence, and tables to convert dollars, yen, milreis, and all foreign moneys quoted at pence per $, etc., to sterling; (*c*) tables for calculating any foreign money into sterling; (*d*) conversion table for fractions and decimals; (*e*) simple interest table in decimals of £, $, etc.; (*f*) compound interest table; (*g*) ready reckoner and multiplication table; (*h*) table of shillings and pence in decimals of 1*l.*]

"Spatula" Soda-water Guide. Fifth edition. 10⅝ in. × 7⅞ in. Pp. 204. $1. ("Spatula" Publishing Co., Boston, Mass.) [The new edition of this work is bulkier than its predecessor. It deals with the manipulation and care of the soda-fountain in great detail, and contains some hundreds of receipts for the drinks and foods usually taken at the soda-fountain.]

Year-book of the American Pharmaceutical Association, 1917. Vol. VI. Containing the sixtieth annual report of the progress of pharmacy and the constitution, by-laws, and roll of members. 9 in. × 6 in. Pp. lviii + 635. $4. (American Pharmaceutical Association, Chicago, Ill.) [A similar volume to the year-book of the British Pharmaceutical Conference, the latter being started upon the American model. The abstracts, which are very well done, are classified under pharmacy (general, apparatus and manipulations, preparations, new remedies, and trade-named preparations), materia medica (general, vegetable drugs, animal products), inorganic chemistry (non-metals and metals), and organic chemistry (hydrocarbons, volatile oils, alcohols, aromatic derivatives, fixed oils and fats, carbohydrates, organic acids, alkaloids, glucosides, colouring matters, albuminoids, serums and vaccines, urine, bile, and blood).]

Births.

Barron.—At "Glencoe," 22 North Road, Gabalfa, Cardiff, on January 28, the wife of Alfred Barron (representative of Ayrton, Saunders & Co., Ltd., Liverpool), of a daughter.

Fricker.—At Pickwick Pharmacy, Corsham, on February 2, the wife of L. Fricker, M.C., chemist and druggist, of a daughter.

Marriage.

Cowie—Hope.—At St. Peter's Church, Earley, on January 24, George Cowie, pharmacist, eldest son of Mr. George Cowie, pharmacist, 37 Dublin Street, Edinburgh, to Mary, second daughter of the late Mr. Alfred Hope, Bearwood, Pembridge.

Deaths.

Bayne.—At 135 Craiglea Drive, Edinburgh, on nuary 27, suddenly, Sara Jane Cooper, devoted wife Mr. Thomas Bayne, Ph.C. (T. & H. Smith, Ltd.).

Dunn.—At "Ivybank," St. Andrew's Road, Bridport, January 31, Mr. Richard Dunn, retired chemist and uggist, aged eighty. Mr. Dunn was for many years in siness at 28 Brock Street, Bath.

Goyder.—At 88 Great Horton Road, Bradford, on nuary 27, Mr. David Goyder, M.D., L.R.C.S.E., aged nety. Dr. Goyder began his career as an apprentice to Glasgow chemist, but eventually took up the study of edicine, and became a contributor to current medical blications.

Gregory.—At 36 Gunterstone Road, London, W. 14, on nuary 28, Lieutenant-Colonel Gregory Marcar Gregory, D., late of the Opium Department of the Government India, aged sixty-eight.

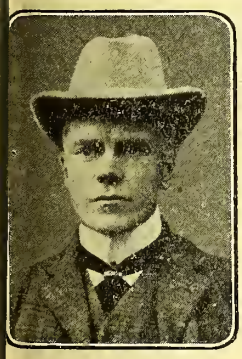
Groves.—At 352 Kennington Road, London, S.E. 11, February 1, Mr. Charles Edward Groves, F.R.S., I.C., F.C.S., aged seventy-nine. Mr. Groves was ained at the Royal College of Chemistry. For some ars he was lecturer in chemistry at Guy's Hospital, and s at one time consulting chemist to the Conservators the River Thames. He was editor of the "Journal of e Chemical Society" from 1884 to 1899, and from 1899 1902 was a Vice-President of the society. He was so one of the founders of the Institute of Chemistry.

Holt.—At Thornton, Lancs, recently, Mr. Alfred Holt, emist and druggist, aged seventy-nine. Mr. Holt was business for upwards of forty years in Halliwell Road, olton. He retired thirteen years ago and had since ved at Thornton. He is survived by a widow and a mily.

Ismay.—At 11 Framlington Place, Newcastle-on-Tyne, February 3, Mr. Matthew Parker Ismay, senior partner John Ismay & Sons, manufacturing chemists, City Road.

McDonald.—At Cookstown, recently, Mr. Patrick cDonald, J.P., father of Mr. Matthew McDonald, h.C., Donegall Street, Belfast.

Plant.—At Bournemouth, on January 25, Mr. Walter lward Plant, Ph.C., Thornton House, St. Mary's Road, Doncaster, aged forty-eight. Mr. Plant, who was a native of Doncaster, served his apprenticeship with Mr. A. Garratt Chamberlain, Ph.C., Rugby, and gained further experience in London pharmacies, one of these being that of the late Mr. William Martindale. He passed the Minor examination in 1892, and the Major in the following year. In 1897 he acquired the business of the late Mr. Brookes at 28 High Street, Doncaster, and so successfully developed it that two branches were subsequently opened. The demands of this undertaking which included a large optical connection) were heavy, it Mr. Plant found time to cultivate golf by way of creation. He was a valued member of the Doncaster d District Association of Pharmacists, and served a rm of office as President. Mr. Plant recently underent an operation for appendicitis, and had been in different health for some years past. He is survived a widow and three sons. The funeral took place Bournemouth on January 29. Two local pharmacists, Mr. D. Buchan and Mr. F. E. Bilson, Ph.C., were prent—the former representing the Doncaster Association d the latter the Pharmaceutical Society of Great ritain.



Mr. W. E. Plant, Ph.C.

Personalities.

Mr. A. E. Hobbs, J.P., Ph.C., has been elected a member of the council of the Tunbridge Wells Chamber of Commerce.

Mr. C. J. Wain, Ph.C., Red Lion Square, Newcastle-under-Lyme, has been appointed D.C. of the Sutherland Masonic Lodge of Unity, of which he is a Past Master.

Mr. J. McConnochie Edwards, chemist and druggist, 311 Fulham Palace Road, London, S.W. 6, was installed in the chair of the Adams Lodge, 3122, on February 3.

Mr. George Robinson, chemist and druggist, has been appointed dispenser at the London County Council Mental Hospital, Hanwell, in succession to the late Mr. G. W. Udale, Ph.C.

Mr. A. Timmins, pharmacist, 68 Murray Street, West Hartlepool, has been elected Prov. D.G.M. for the Hartlepools district of the Manchester Unity Independent Order of Oddfellows.

Mr. Raymond V. Gurd, Ph.C., has been appointed dispenser at the London County Council Mental Hospital, Colney Hatch, in succession to Mr. Richard Welford, chemist and druggist, who has retired on pension.

Mr. W. Deacon, pharmacist, Bridgwater, who has been secretary of the Bridgwater Traders' Association since its formation in 1910, was presented with a silver tea-service, suitably inscribed, at the recent annual dinner of the Association.

Mr. Arthur Le Blanc Newbery, a director of Francis Newbery & Sons, Ltd., druggists' sundriesmen, celebrated his eighty-sixth birthday on February 3. Mr. Newbery is in good health, and he still makes occasional visits to the City.

Mr. John Haycock, Ph.C., who, as announced in our last issue (p. 67), has qualified as an Associate of the Institute of Chemistry, is works chemist with Howard Lloyd & Co., Ltd., and the British Lanoline Co., Leicester. Mr. Haycock passed the Major examination in 1909.

Mr. George Rigden, chemist and druggist, for many years buyer in the drug department of a London branch of the Home and Colonial Stores, Ltd., has been presented with a wallet of Treasury notes on the occasion of his retirement. Mr. Rigden, who qualified in 1882, was captain of the company's cricket team for some time, and was very popular among the staff.

Mr. David A. Evans, chemist and druggist (trading as Steele & Marsh), 6 Milsom Street, Bath, has been unanimously elected President of the Bath Chamber of Commerce for the ensuing year. Mr. Evans, who acquired his business in 1907, has been secretary and (on two occasions) President of the Bath Pharmaceutical Association. He was "mentioned" for war services.

Mr. Samuel Smiles, D.Sc., F.R.S., has been appointed Daniell Professor of Chemistry at King's College, London, in succession to Professor A. W. Crossley. Dr. Smiles became assistant professor of chemistry at University College, London, in 1907, and took up a professorship at Armstrong College, Newcastle, last year. Since 1913 he has been senior secretary of the Chemical Society.

Mr. W. J. Uglow Woolcock, M.P., O.B.E., Ph.C., manager of the Association of British Chemical Manufacturers, is to second the motion on the Address in the House of Commons on February 10. Mr. W. J. Uglow Woolcock, M.P., states the "Daily Graphic" in referring to this matter, "is one of the small band of practical chemists in the House, the interests of whose profession in recent years were espoused by Sir William Glyn-Jones. The others are Sir W. Pearce, Sir R. Cooper, and Sir R. Winfrey. Mr. Uglow Woolcock is a tall, clean-shaven, rather good-looking man, of whom but little has been heard as yet at Westminster."

Deficits, attributed to the increased cost of drugs and dressings, are reported by the Burton-on-Trent Infirmary (3,500*l.*) and the Market Drayton Provident Dispensary (35*l.*).

Trade Notes.

Japon for tying up parcels is made by S. D. Simond & Co., Ltd., 10 Monument Street, London, E.C. 3.

Wrapping-paper.—Special offers of wrapping-paper are made in the announcement which appears in this issue of Suttley & Silverlock, Ltd.

Ratox Rat Poison, made by Alex. Robertson & Sons, Ltd., Argyle Chemical Works, Oban, is advertised in this issue. It retails at 6*d*., 1*s*., 2*s*., and 5*s*. a tin.

Indian Drugs.—Dr. A. C. Bhattacharyya, Techno-Chemical Laboratory and Works, Ltd., Konnagar, E.I. Ry., near Calcutta, makes a special offer of Indian drugs, minerals, and chemicals.

Offer of Calendars.—J. C. Eno, Ltd., Fruit Salt Works, London, S.E. 14, make an offer of calendars for 1920, suitable for counter distribution. The company's advertisement gives the details.

Veldt Cream.—A specimen of the advertising in the daily Press of the Veldt Laboratory, Louth, is given in an advertisement in this issue. It concerns Veldt Cream, which retails at 1*s*. a bottle.

The Anzora Perfumery Co., Willesden Lane, London, N.W. 6, state that inconvenience caused by the recent fire at one of their factory buildings has been overcome. The normal output has again been attained.

Sugarless Saline.—Alfred Bishop, Ltd., 48 Spelman Street, London, E. 1, give details of their latest saline—Bishop's Natural Fruit Saline—which is free from sugar or saccharin. The protected retail price is 2*s*. 3*d*.

Perro Nail-stone.—Thomas Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, inform us that the price of Perro Nail-stone has advanced to 5*s*. 3*d*. per dozen. The line is now being advertised.

Virol Prices.—On February 1 the price of Virol was advanced to 1*s*. 3*d*., 2*s*., and 2*s*. 9*d*. retail, and of Virolax to 1*s*. and 2*s*. 8*d*. The wholesale prices are given in the advertisement of Virol, Ltd., which is printed in this issue.

Amami Shampoo.—Prichard & Constance (Wholesale), Ltd., suggest that an easy way to double the sales of "Amami shampoo" is to request every customer to take a second one to use as a wardrobe sachet until wanted. It is worth its money for that alone.

Thermogene.—We have been asked to correct a clerical error which appeared in the Thermogene advertisement in the *C. & D.*, January 31, when chemists were invited to apply for particulars of special bonus terms. These bonus terms are discontinued for the present season.

Neville's Eau de Cologne Cream is an attractive line which is being advertised in this number by the Parfumerie Neville (Paris), Rickmansworth Road, Watford. Particulars are given regarding two bonus parcels of the vanishing cream and of Poudre Neville, another speciality of the firm.

Shaving-brushes.—Ayrton, Saunders & Co., Ltd., Liverpool, give particulars and an illustration of the Culmak shaving-brush. The brushes are made upon a new plan, which has much to commend it from a hygienic point of view, porcelain being employed for the handles in the place of wood or bone.

Tetlow's Swandown Face-powder.—Owing to the depreciation of exchange, Henry C. Quelch & Co., Ludgate Square, Ludgate Hill, London, E.C. 4, have been obliged to advance the price of Tetlow's Swandown Face-powder. The wholesale price is now 96*s*. per gross, and the minimum protected retail price is 1*s*. per box.

Chemical Plant.—Bennett, Sons & Shears, Ltd., engineers and coppersmiths, 43 and 44 Shoe Lane, London, E.C. 4, have issued a new edition of Catalogue No. 42, which deals with special apparatus and plant for pharmaceutical and chemical laboratories and works. Illustrations and specifications are given of a large variety of stills, steam-baths, percolators, tablet machines, ointment mills, etc. The list is sent on application.

Women's Service.—The London Society for Women's Service, 58 Victoria Street, Westminster, London, S.W. 1, of which the President is Miss Philippa Fawcett, was established in 1914 with the object of supplying trained women workers for general and technical work of every description. These include shorthand-typists, clerks, chemists, laboratory assistants, dispensers, dental mechanicians, and commercial travellers. The secretary is Miss Philippa Strachey, to whom communications should be made.

Yorkshire Relish.—Fifty years ago a note in the *C. & D.* commenting on the success of "Yorkshire Relish" stated that it had been introduced "only a few months ago," and that a third of a million bottles had been sold. How many have been sold in the fifty years that has passed since then is probably unknown, but the number must be enormous. This reflection was started by the receipt of a notice that from February 1 the retail prices of Yorkshire Relish are to be 1*s*., 2*s*., and 4*s*. The wholesale terms and conditions have also been revised.

Window-dressing Competition.—"John Bull" recently offered prizes for window-displays of articles advertised in that paper between October 1 and December 31, 1919. The prizes were: 1st, 200 guineas; 2nd, 100 guineas; and 3rd, 50 guineas. There were also fifty prizes of one guinea and 500 diplomas of merit awarded. The first prize was won by Mr. S. G. Melliship, Saltburn, who made a display of Hall's Wine; the third prize by Mr. A. Barker, Gorleston, with a show of Nestlé's and Ideal milk. Two guinea prizes and seventeen diplomas were won by Thermogene displays; the prize-winners were Mr. J. Barker, 136 Evington Road, Leicester, and Mr. F. G. Hines, 13-14 Pavement, York. Prizes for displays of Milton were won by J. Cross & Co., 83 Oxford Street, Reading, and Marshall Bros., 128 Alcester Road, Moseley, Birmingham. Gibb's toilet preparations also brought guinea prizes to Mr. J. W. Harper, Starbeck, and Mr. F. H. Stuttard, 56 Moorgate, Barnbrook, Bury. Mr. J. W. Harper also received a guinea for a display of Owbridge's Lung Tonic. There were eleven prizes of one guinea won for displays of Nestlé's and Ideal milk, and one prize of a guinea for a show of Hall's Wine. A Stone's Ginger Wine display also brought a guinea to another competitor.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

174/47. Sand's liver seeds
170/74. Doughton's East Indian lotion
174/64. "Perfection" brand electro-plated feeding spoons
175/60. "Coval"
175/32. "Neat"
168/64. Thepenier's Bulgarian milk tablets
175/51. "Motor" brand disinfectant
170/4. "Germin" tablets
170/2. Wilson's "Corega"
170/74. "Pine Tree" cough pastilles
171/1. "Zotos," actual makers
173/14. "Ideal" suspensory bandage
174/36. Rice's pneumatic truss
173/39. Hinde's vapour spray
172/58. "Princess" enema syringe (Seamless Rubber Co., U.S.A.); London agents
171/17. "Vin Sacro"
171/17. Miner's almond meal
171/17. Anti-phthisis oil

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to, others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4:

Allen's hair restorer, 162/6
"Ansonia" nail clipper, 168/40
Bisurated magnesia (French inquiry), 167/256
Borax (American makers), 164/49
Borax (French inquiry), 175/45
Boric acid (American makers), 161/49
"Cadum" ointment (French inquiry), 167/257
Carnick's liquid peptonoids, 165/57
Carter's Little Liver Pills, 151/46
Cartons (plain), 163/33
China clay, 158/3
Chloride of lime, 158/3
Clarke's blood mixture, 167/257
Clark's Hoplemuroma, 146/5
Creme Simon 159/43
Cuticura preparations (French inquiry), 167/258
"Dak" brand birdlime, 166/47
De Jongh's cod-liver oil, 165/57
Demiracle hair remover, 163/11
Dinneford's fluid magnesia (French inquiry), 167/259
Doan's kidney pills (French inquiry), 167/25

Observations and Reflections.

By Xrayser II.

Alternative Insurance Schemes

appear to be rife, and, considering the uncertain outlook of medical service generally, this is perhaps natural. I cannot say that any scheme I have met with promises to be an improvement on our present one. Dr. Rentoul's non-panel scheme is condemned by its voluntary character; it is scouted by the profession, and would certainly not be accepted by the public. The dispensing scheme of Mr. Hocking would be a distinctly backward step even if it were practicable, which I am convinced it is not. It would be resented by the public, who, rightly or wrongly, are not in love with hospital dispensing, and would consider it, in any case, *infra dig.* to be classed with ordinary hospital patients. Clearly, too, as set forth by Mr. Hocking, it points to a lowering of the scale of Insurance dispensing. In saying this I intend no disparagement of hospital dispensers. They may be as competent as private pharmacists, but they work under different conditions, which tend inevitably to affect the style if not the essential value of their work. Mr. Hocking himself proposes modes of dispensing that would not be sanctioned in any private pharmacy, and though the patient might not suffer materially by their adoption, he would regard such treatment as invidious. Is it certain that he would not suffer materially too? Mr. Hocking is all for economical, by which apparently he means cheap dispensing, and cheap dispensing has a tendency to become nasty dispensing. I speak not as a mere "licensed vendor of certain poisons," but as one who has seen a good deal of dispensary practice though I have never been actually employed in it.

With Mr. Ingham's Objections

to retail price-lists I have a strong natural sympathy, and at one time I should have spoken of them much as he does. But times change, and we must change with them. Standardisation is now the order of the day; whether we like it or not, it is expedient that prices too should be standardised as far as is possible. The Profiteering Act may be cited in support of this view, but apart from the Profiteering Act there are good reasons why our prices, though they can never be entirely uniform, should not differ widely or without obvious reason. We now all hold the same qualification; there is not the same difference in the quality of drugs as there was before the British Pharmacopœia became the standard of purity; and there has been a general levelling up in the quality of every kind of goods. One cannot argue closely from proprietaries to other articles, but there is a certain analogy between face value for them and a uniform price for all goods presumably of the same quality. Overhead charges, of course, vary greatly, but this consideration is to a large extent met by the larger turnover which position and prestige ensure. Price-lists are not meant for the "upper suckles" of pharmacy, but for the common or garden pharmacist they are, all things considered, a boon.

A Nice Point

with regard to pricing cost has been submitted to me by a friend whose mind, like the mills of Providence, "grinds exceeding small," especially when calculating expenses. We are charged 2½ per cent. on the cost of pricing by bureau. Our pay for dispensing has been increased by about 35 per cent., and at the same time the working out of cost of ingredients has been reduced from two points of decimals to one point. My friend calculates that the latter change will reduce the cost of pricing by at least 5 per cent., and he therefore holds that in equity the charge for this service to us ought to be reduced by 40 per cent. I put the suggestion forward for what it may be worth, not committing myself to an endorsement of his calculation or an opinion as to the likelihood of our getting the relief to which he thinks we are entitled.

"Grey Powder"

is not only—as stated in the Exeter case—a recent official synonym for hydrarg. cum creta, but, as applied specifically to this preparation, it is very little older, apparently, than its official adoption. Its occurrence in Squire's "Companion to the Medicine Chest" (1866) is noted in the Oxford Dictionary, and I do not remember to have met with it in print earlier than that. The preparation first appeared in the London Pharmacopœia in 1781 under its present official name; in non-official use it had previously been known as *Mercurius alkolisatus*. A remark made by a witness for the prosecution in another case reported last week, to the effect that the use of magnes. carb. in Gregory's powder makes it about half the strength it ought to be, is surely a gross exaggeration. I do not defend the substitution, but it is a fact that some people prefer it, and it has been semi-officially stated that the medicinal properties of the two magnesias are virtually the same.

Oss. (half-pint)

is undoubtedly 10 fl. oz. This was one of the first facts impressed upon me in my apprenticeship, and I am surprised to hear that anybody now has any doubt about it. Down to 1824 the old wine pint (I should say the old wine gallon with all its subdivisions) was retained as the official medicinal measure of capacity, but in the Pharmacopœia of 1836, issued virtually under the editorship of Richard Phillips, the imperial measure was substituted and has, of course, been retained ever since. The change appears to have been made silently, but in the forefront of the Pharmacopœia both measures were given, with a comparative table for the guidance of prescribers. It is curious that though the old gallon containing 58,318 grains of water at 62° was retained in 1824, it was in this very year that the standard capacity of the gallon was adjusted so as to contain 70,000 grains. This, I suppose, was too late in the year for adoption in the Pharmacopœia published under the same date.

Irish Chemists' Assistants

are more nicely graded than ours, and the wage scale fixed for them would consequently not apply here without some modifications. Assistants without any sort of official qualification are much more numerous here than there. We have only two grades, qualified and unqualified, and the latter are greatly in excess of the others. They must be supposed, too, to differ more widely among themselves in efficiency than the smaller class of unqualified men in Ireland. It is thus more difficult to fix a just minimum wage. A rate high enough for the inferior men would be unjust to the rest, and the rate they are entitled to would be equally unjust to those employers who had to put up with the inferior sort. I am not forgetting that it is a minimum wage we are considering; the difficulty is that we do not know which men belong to the better and which to the worse class till we have engaged them.

The Snowdrop.

the Fair Maid of February, usually spoken of as the first flower of our year, though the Winter aconite has perhaps a better title to be so considered, has never been of much account in physic, and has never been recognised as medicinal by our medical colleges. Gerard says "nothing is set downe hereof by the antient Writers, nor anything observed by the moderne." He calls it the bulbous violet, but adds that some call it the snowdrop, which is the earliest mention of this name that I know; the Oxford Dictionary has none earlier than Robert Boyle. Gerard speaks of it as not a native, though somewhat common in gardens. He is in error as to its use in medicine, if his identification of the plant with the *Viola albo* of the ancients is correct, for in the Alphita Glossary (1465) I find the entry, "Leucis, i. uiola alba," with the note, "Decoctio autem herbe menstrua prouocat." This may or may not be our snowdrop, but it looks like it, and Lemery, who, as was customary, classes it with narcissi as *Narcissoleucoium*, says that it is "*digestive, resolutive, consolidante*"!

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Editorial Articles.

Overseas Indian Trade.

At the present time a considerable amount of attention is being devoted to Indian affairs, both political and commercial, whereby it is hoped that the larger measure of self-government granted, together with the endeavours to put our Empire on a better industrial footing, will eventually result in the removal of those obstacles to her economic progress. The placing of the rupee on a gold basis is a well-meant effort to this end, and although the proposal has been received with mixed feelings in the City, the consensus of opinion is that the temporary disturbance of trade will be more than compensated for by its stabilisation. It is common knowledge that India is our best overseas market, but it is perhaps not so well known that during the war conditions have altered to the detriment of this country. This fact is clearly brought out in a "Report on the Conditions and Prospects of British Trade in India at the close of the War" by Mr. T. M. Ainscough, Senior Trade Commissioner for India and Ceylon [Cmd., 442 2s.]. The report, covering 148 pages, shows an unusually intimate knowledge of business conditions in India, and is an authoritative survey of the vast changes which the war has brought about. Its declared aim is to impress upon British manufacturers and exporters what these important changes are and how they should be met. The report consists of five sections, the first of which contains a general survey of the industrial and commercial position immediately prior to and during the war, with particular regard to foreign

tition, the development of India's industries, the de of the merchant houses, and the question of facturers' branches in India. In the second part is a detailed examination of the leading import trades, pecial reference to the changes in character, volume igin of imports during the war period, and the third embodies a review of the methods and representa- nd distribution in particular trades, together with te recommendations as to the revised methods which , with advantage, be adopted by British interests in to meet the new conditions. The fourth part of eport deals with the development of Indian indus- and its significance, with special reference to the tunities for the employment of British capital and trial management. It need hardly be said that one of nost important alterations that have taken place in n trade has been the elimination of the Central rs, in consequence of that the United States and seized the opportunity to obtain a firm foothold. Ainscough states that, speaking generally, the study rman methods presents no illuminating features what- and the results demonstrate that their methods should voided rather than adopted, except their infinite ity for taking pains. A few hints are given from the ods of German competition to British makers and rters regarding the miscellaneous bazaar trade in ies, which may be summarised as follows :—

the Indian market, owing to the low standard of of the masses, cheapness and outside appearance are ore important than quality and lasting properties.
quoting import merchants or dealers for goods it d be remembered that a price c.i.f. Indian port will telligible at once to nearly every trader, whereas a rate will convey but little to his mind as to the price e goods by the time they reach him.
empts should be made to manufacture for India what , requires, and if it is thought that the dealers who the goods require educating, this should be done by s of fresh samples after having established a name in me for which they ask.
ere possible branches or agencies should be established e principal seaport towns, and the agent should person- canvass the bazaars.

e broad, general fact is that the circumstances of the and the relative measure of exhaustion of Great in after four years of conflict gave the United States, a comparatively brief experience as a combatant, a er advantage in industrial and commercial activity hich she has taken the fullest opportunity in the n market. The prodigious expansion of Japanese trade escribed as the most remarkable and significant re of India's import trade during the war, competi- being especially vigorous with regard to chemicals, ts, and matches, and the purchasing of Indian raw rials, such as shellac, oil-seeds, jute, etc. Mr. Ains- h anticipates that Japan will utilise the advantages w-operating costs to effect the purchase of such pro- s in a scientific manner and on a large scale by the guration of buying agencies and depôts in the dis- . He is surprised that, with the exception of two hree large firms, such as Ralli Bros., Volkast Bros., Louis Dreyfus & Co., this course has not been ted by the British merchant in India. The trade drugs and medicines in India is normally worth 00*l*. a year, of which the United Kingdom has about per cent. How this trade is done Mr. Ainscough ains in the following paragraph.

e distribution as regards the higher-grade goods for pean use is largely in the hands of wholesale European s of chemists and druggists, who usually sell retail in the cities, and also cover their various areas by means of travellers. In addition, there are in each port one or two firms of importers of chemists' and druggists' stores who are usually prepared to take on good agencies. British exporters should send out a traveller each year to show new productions, book orders, etc. The largest trade, however, is that conducted with the bazaar and the numerous Indian pharmacies throughout the country. This is specially catered for by several indent merchants in Calcutta and Bombay, most of them Indian, who import direct. British firms should place themselves in touch with these houses, but should also send out regularly a travelling representative with samples to book orders, study changes in demand, and keep an eye on the financial position of the dealers. In proprietary and patent medicines, normally amounting in value to 176,000*l*. a year, the United Kingdom has a strong position, supplying about 126,000*l*. worth. Before the war her principal competitors were Germany and the United States; but, since the war, the imports of Japanese patent medicines have increased considerably, and it would appear that Japan is making a bid to capture this market in the same way that she has obtained such a firm hold in China. The soundest plan for makers of proprietary articles and patent medicines would be to establish depôts of their own in Bombay and Calcutta, to carry large stocks, to advertise widely, and to cover the market with a large number of Indian travellers. The business can be worked comparatively easily and safely, and a large mail-order trade could be developed, utilising the admirable V.P.P. (value payable post) system of the Indian Post Office, by which the Post Office collects costs and charges on a parcel from the consignee before delivery.

In heavy chemicals, the imports of which amount, normally, to 675,000*l*. a year, the United Kingdom's share is about 500,000*l*., but during 1917-8 the imports advanced in value to 1,815,000*l*., of which more than two-thirds came from the United Kingdom and one-fifth from Japan, while the share of the United States rose to eleven per cent. There is not much to complain about in this industry, except the fact that during the war Japan captured the trade in bleaching materials, shipments from that country being four times the value of those from the United Kingdom, but that fact requires no explanation. As regards future developments, Mr. Ainscough looks forward to a great expansion in our export trade, to which we may add that this is now taking place, as exporters to India have more business on hand than they can cope with.

A Probable New Source of Ginger.

In times like the present, when every bit of information affecting the increased production of vegetable products, whether for food, medicine, or manufacture, is especially valuable, the following extracts from an article on "Wild Ginger" in a recent number of the "Agricultural News" cannot fail to be of interest. It may be stated that the "Agricultural News" is one of the official publications of the Imperial Department of Agriculture for the West Indies. It is pointed out that the true ginger plant (*Zingiber officinale*) is not known in a wild state, but that it is doubtless a native of tropical Asia, where it has been cultivated and from where the rhizomes have been exported from very remote times. From Asia it was introduced into the West Indies, and has spread now throughout the warmer parts of both hemispheres. The name "ginger" is derived through the Greek from the ancient Sanscrit. It was known as a spice to the early Greeks and Romans. During the Middle Ages it is frequently mentioned in European lists of articles derived from the Far East. In an interesting account of a journey down the Magdalena River and through the Peninsula of Goajira undertaken at the request of the Minister of Agriculture and Commerce of the Republic of Colombia for the purpose of studying the agricultural conditions and possibilities

of the region, Mr. M. T. Dawe, F.L.S., Agricultural Adviser to the Government of Colombia, makes the interesting statement that he found ginger growing wild over extensive areas on the lower hills of the Sierra Nevada range. He thinks, therefore, that the theory that ginger was originally a native of tropical South-East Asia must be abandoned and Colombia be considered its original habitat. This, however, would be open to question, for it is quite certain that ginger was introduced by the Portuguese into Brazil as early as the middle of the sixteenth century, and it is probable that the ginger now found growing wild in Colombia is really only the descendant of plants escaped from cultivation which have become thoroughly naturalised. Mr. Dawe goes on to remark that this discovery is of commercial importance, owing to the fact that there are extensive wild sources of a valuable product which can be immediately exploited and a new local industry established in the collection and preparation of the roots. Apart from the question of the exploitation of the wild product, there arises the possibility of its cultivation and the initiation of a new plantation industry for that part of Colombia. Ginger is well known to be fastidious as to its soil requirements, and the fact that it is found growing wild is a proof that not only the climate but the soil is suitable to it. The rhizomes of the wild plant, however, are not nearly so large as those of the cultivated ginger. Mr. Dawe adds a word of warning to intending exporters of ginger, whether wild or cultivated, to the effect, that whatever method of curing and drying be employed, the rhizomes must be thoroughly dried and bleached before shipment. The cultivation of ginger in the Kandy district of Ceylon is also the subject of a note in the "Tropical Agriculturist," in the course of which it is stated that the area under ginger is extending in the island. In the Kandy district during 1917-18 eighty acres, yielding 480,000 lb. of green ginger, equal to about 850 cwt. dry ginger, was obtained, and particulars are given as to how this was raised, the seed being obtained from India. Ceylon could easily produce a large quantity of ginger, but the chief obstacle is that the villagers are ignorant of the method of curing it for the market. Locally there is always quite a good demand for green ginger, which sells at 12 to 15 cents, and even 20 to 25 cents per lb., so that there are no exports. It would be worth consideration whether a profitable business could not be started in curing ginger for the market, as a well-cultivated, good crop may yield up to 15,000 lb. to the acre. At the present time most of the ginger imported into London is produced within the British Empire, but there is no reason why Ceylon should not make it a paying minor product.

A Tardy Withdrawal.

In The Chemist and Druggist, December 30, 1916, we called attention to the insulting reference to chemists circulated by the Local Government Board in connection with the treatment of venereal diseases. After many protests the circulars have been modified by the Ministry of Health, the paragraph now being as follows:

> Chemists and druggists are not qualified to treat gonorrhœa, and treatment by quacks, herbalists, and persons advertising so-called cures is likely to lead to disastrous results. It is now illegal in the greater part of this country for unqualified persons to treat this disease.

The modified statement is slightly less insulting than that originally made, and does not do credit to a Department which should at least know that it is illegal to advertise "so-called cures."

The Santonin Market.

Another startling advance in the price of this drug announced in our Trade Report this week, due, it understood, to the gradual shrinking of stocks, wh apparently now threaten wholly to disappear. So far can be ascertained the total actual first-hand stock London, and practically in the whole world (with exception of a small stock in the United States), is the hands of the Eastern and Russian Trading Co., Lt and that supply which is being slowly but sur diminished, is now only very limited. Consequently, t holders have again advanced the price from the enorm figure of 54*l.* per kilo., at which it previously stood, 60*l.* per kilo. for 5-kilo. lots, and even at this advanc price holders appear to be hesitating whether they c for the moment at least, go on selling at all. Certai there appears to be no prospect whatever of larger l than 5 kilos. being obtainable by any one buyer in o delivery, while further supplies to such buyers wou then certainly be postponed until other buyers had r ceived their quota. In second-hands the stock of santon appears to be quite negligible. Of course, this furth advance, on a price which was already almost fabulou can hardly fail still further to check the demand, least as far as this country is concerned. There ha however, prior to the late advance in price, apparent been a persistent demand for santonin from t United States. Naturally, in the existing position of t dollar exchange, American buyers have an advantage fully 25 per cent. in the price when placing their orde in London in sterling, and making payment in dollar The prospect of further supplies reaching this countr remains problematic. What has happened to the Turk estan factories appears to be a riddle, and it is not know if they are even in existence. Briefly, it looks as if a absolute famine in santonin is impending. So far th only known substitute appears to be Oleum chenopodi (American wormseed oil), which to a certain exten appears to be coming into extended use, but whether wit fully satisfactory results is not yet definitely known.

Copper Alanine.

has been recommended recently in inoperable cancer o account of its lack of toxicity in comparatively large doses Dr. J. A. Shaw-Mackenzie, who first suggested this us for copper alanine, writes as follows in the "Britis Medical Journal":

> Copper compounds of amino-acids were prepared by me i the Physiological Laboratories, King's College. Although such compounds were not new, I directed particular attention to copper glycine and copper alanine. I found that they were soluble in serum without precipitating the serum protein, or other proteins, and that they had a marked toxic action on protozoa, which suggested the use of this form of copper intravenously, and its possible use in protozoal diseases and in cancer. Experimentally the method itself in suitable dosage was found to be harmless. With regard to cancer I pointed out that any treatment with this form of copper was of an entirely experimental character. With the object of carrying out such experiments I have given some of the copper alanine prepared by me in the laboratory to surgeons and others who have been sufficiently interested in the clinical action, and who have asked for it for trial. While palliative results seem to have been obtained in certain cases for a time, no effect has been witnessed in others. As I have pointed out elsewhere, Mr. Aslett Baldwin, who has been kindly making investigation in a considerable number of cases of cancer and keeping me acquainted with the results, has not yet been able to come to any definite conclusion. With regard to dosage, 1 to 2.5 c.cm. of a 1-per-cent. solution are stated to have been employed. In my own work nothing like this dosage has been given. It may be pointed out at once that it appears most unlikely that a 1-per-cent. solution has actually been used, since copper alanine, although soluble in boiling water to that extent, crystallises out if the solution be cooled to room temperature. By actual investigation it was determined that the approximate solubility of copper alanine at room temperature is 0.45 per cent. But as a saturated solution is obviously unadapted for general clinical use, a strength of 1 in 300 was recommended by me. From this it is already obvious that the injections referred to in the note must be less than the half of the amount of copper alanine stated.

Pharmaceutical Society of Great Britain.

Council-meeting.

Meeting of the Council was held on February 4 at Bloomsbury Square, London, W.C. The chair was upied by the President (Mr. W. L. Currie), and all members were present with the exception of Mr. T. Neathercoat. A private meeting of the Council s held the previous evening, at which the minutes of meeting held on January 8 were read and confirmed.

Questions.

The secretary read the following questions and swers :

By Mr. Hines.—What meetings of the Joint Committee on pharmaceutical service in the Army have taken place, and how far have further negotiations proceeded?

Answer.—The last meeting of the Joint Committee was held in June last. Since then the Pharmaceutical Representatives, by agreement with the Committee, have been engaged in considering a scheme for the organisation of the Army Pharmaceutical Service. The scheme covered (*a*) the suggested establishment of the Army Pharmaceutical Service Corps and its adaptation to peace conditions, (*b*) the change of responsibility within the Corps, (*c*) enlistment and qualifications for different ranks, (*d*) training, (*e*) pay and pensions. The recommendations were submitted to the War Office on December 18, and a further early meeting of the Joint Committee is anticipated in order to discuss this memorandum.

The President : Does that answer your question, Mr. Hines?

Mr. Hines : Quite.

By Mr. Hines.—(*a*) What is the total amount subscribed to the War Auxiliary Benevolent Fund? (*b*) What was the amount standing to the credit of the Fund on January 1, 1920? (*c*) What was the average amount of the monthly disbursements up to the end of 1919? (*d*) Will any of the recommendations of the Committee entail capitalisation of any part of the Fund?

Answer.—(*a*) The total amount subscribed to the War Auxiliary Benevolent Fund is 22,998*l.* 16*s.* 6*d.* (*b*) Amount standing to the credit of the Fund at January 1, 1920, 20,380*l.* 12*s.* 6*d.* (*c*) Average monthly disbursements, 241*l.* 19*s.* 3*d.* (*d*) Yes; the recommendations of the Committee will entail capitalisation of some part of the Fund.

Mr. Hines, in reply to the President, expressed himself satisfied with the answers to the points he had raised.

Elections and Restorations.

It was agreed that thirty-six persons be restored to the Society, that one be restored to the Register, that 143 be elected members, and that 442 be elected student associates. The Secretary reported that since last meeting there had been 543 registrations of apprentices or students.

Registrar's Report.

The registrar submitted his report for the year 1919. The following abstract embodies the chief features :

The subscribers to the Society are 927 life compounders, against 855 in 1918; 9,011 annual subscribers, against 8,778; 2,385 student associates, against 654; 4,389 apprentices or students were registered (490 in 1918). An analysis of the examinations in England and Wales for the year showed the following : Major, 16 candidates, of whom 7 were successful (in 1918 the respective numbers were 19 and 8); Qualifying, 567, of whom 270 were successful (in 1918 the numbers were 203 and 114 respectively). The percentages of rejections were : Major, 56.25; qualifying, 52.38 (in 1918 they were 57.89 and 43.84 respectively). In Scotland there was one candidate for the Major who was not successful (in 1918 there were 3, of whom 2 were successful); and 186 candidates for the Qualifying, of whom 99 were successful (in 1918 the relative numbers were 96 and 52), the percentages of rejections being : Major, 100; Qualifying, 46.77 (in 1918 they were 33.33 and 45.83). The number of pharmaceutical chemists on the register on December 31, 1919, was 1,904, and of chemists and druggists 14,731, a total of 16,635. (In 1918 the numbers were 1,931, 14,629, and 16,560.) The Register of Superintendents of bodies corporate in Great Britain, and of firms or partnerships in Scotland, contains 722 names (683 in 1918). Eight hundred and sixty-seven cases of alleged infringement of the Pharmacy Acts were investigated, and proceedings were instituted in 141 cases. (In 1918 412 and 95 respectively.) 2,225 shops were investigated with a view to ascertaining whether a certificate of qualification was exhibited.

The President remarked that the Registrar's Report showed that on December 31 the total membership of the Society was 9,938, but he was in the happy position of being able to say that the number up to date was well over 10,000. (Hear, hear.) This was, indeed, a very gratifying condition of things. His predecessor (Mr. White) had aimed at the Society achieving that number of members during his tenure of office as President, but it had fallen to his (Mr. Currie's) lot to see it exceed 10,000.

The report was adopted.

Retiring Members.

The secretary reported that the following members of the Council retire in May next, pursuant to Statute :

Bilson, Frederic E.	Jenkin, Arthur Henry.
Cuff, Joshua H.	Melhuish, Andrew Ralph.
Hines, Frank G.	Rowsell, Philip Foale.

Young, John Rymer.

Report of Examinations.

The report of the examinations, January 1920, showed that in England and Wales 218 candidates were examined for the Qualifying, of whom 36 passed part 1, and 91 parts 1 and 2. In Scotland 85 were examined, 16 passing part 1 and 48 parts 1 and 2.

Correspondence.

The secretary intimated receipt of a letter from the Joint Board of Scientific Societies, asking for a renewal of the Pharmaceutical Society's contribution of 10*l.* 10*s.* It was agreed that this should be paid.

A letter was submitted from the Privy Council covering their sealed approval of the by-law relating to the admission, without examination, of apothecaries' assistants.

The receipt was reported of a letter from Lady Fraser, thanking the Council for their expression of sympathy and condolence on the occasion of the death of her husband, Sir Thomas Fraser.

Counsel's opinion was received advising as to the best and most expeditious way of obtaining a decision of the Courts on the powers of the Society. It recommended a friendly action for a declaration that the Society is not competent to undertake the disputed objects, and for an injunction restraining them from expending the funds of the Society in carrying out those objects. It was decided that such an action should be arranged, and the President and Messrs. Deakin, Jenkin, Melhuish, Neathercoat, Skinner, White, and Wolff were appointed as a special committee, with full power to act.

A letter was received from Mr. Victor J. Arnfield enclosing two boxes of ampoules (containing atropin. sulph. and scopolamin. hydrobrom.) of German manufacture found by him in what was presumably a discarded German billet at the evacuation of Le Cateau, and offering them as relics of interest. A letter of thanks has been sent to Mr. Arnfield.

Deaths.

Mr. Deakin said he could not allow the opportunity to pass without referring to the death of Mr. Griffith

Humphreys, Northwich, one of the ornaments of pharmacy in the county to which he (Mr. Deakin) belonged, and a personal friend of thirty-five years' standing. For many years Mr. Humphreys was the local secretary of the Society in the district in which he lived, and when the local Association was formed he became its secretary. He was a man of very fine intelligence and of the sweetest disposition, an expert in microphotography and other scientific matters, one who courted the company of the Muses, and one who was in every way a fit and worthy citizen. His ideals were of the highest possible character, and it was his practice in daily life to realise the best interests of pharmacy.

Mr. Sargeant said that it was his regretful duty to allude to the death of Mr. W. E. Plant, of Doncaster, which had recently taken place at an early age. Mr. Plant was a very highly respected pharmacist in the West Riding and one of the stalwarts of the Doncaster Association.

It was agreed that letters of condolence should be forwarded to the relatives of the deceased members.

Medical Federation.

The secretary intimated receipt of a letter from the Secretary of the Federation of Medical and Allied Societies stating that a dinner, following the next meeting of the executive council, has been arranged to be held at the Café Royal, London, at 7.30 on February 27, under the chairmanship of Sir Bertram Dawson.

Mr. Melhuish asked, arising out of the reading of this communication, if the Vice-President (Mr. Rowsell) could amplify somewhat the curt report issued of what had transpired when the deputation representing the Federation of the Medical and Allied Societies waited upon Dr. Addison about a fortnight previously.

The Vice-President replied that the "curt" report to which Mr. Melhuish had referred covered very pointedly all that transpired on the occasion to which he referred. The ideas expressed on the part of the medical men were that they are very largely dissatisfied with the present working of the National Insurance Acts, and that they feel there is a large number in their profession, specialists in all kinds of diseases, whose services ought to be made use of in some way or other in the interests of the welfare of the nation. They went to Dr. Addison with the suggestion that he should authorise a full inquiry into the working of the National Insurance Act during the past six or seven years. Personally he said no more and no less on the occasion than was stated in the published report. He was very careful to pin himself to the statement it contained, because he had no wish, nor had the Council, to do or say anything antagonistic to the members of the Federation of Medical and Allied Societies. On the contrary, he thought it politic that they should be supported in every way. At the same time he thought it was wise he should take up the attitude he had done on the occasion until fuller inquiry was made into the whole matter and until he had an opportunity of consulting the Ministry of Health Committee. Therefore his statement was, of necessity, of the character described. He did not think there was anything to be added to the statement which had been published.

Trading in Naval and Garrison Towns.

The secretary submitted a letter from the Joint Committee of the Aldershot Urban District Council and the Aldershot Chamber of Commerce, together with a copy of a circular letter sent by that body to chambers of commerce and trade and local authorities in naval and garrison towns throughout the country, regarding trading by the Army and Navy Canteens Board in naval and garrison towns. The former letter stated that the Joint Committee were anxious that trade federations and organisations should be represented at a conference to be held on February 24 at the Central Hall, Westminster, on the subject. The secretary mentioned that a meeting of the Local Associations Executive would be held shortly, and he suggested that the communications should be referred to it with power to act. The object of the proposed conference, he added, was to protest against the Army and Navy Canteens Board trading privately in naval and garrison towns in competition with the local traders.

The suggestion of the secretary was agreed to.

By-law Relating to Apothecaries' Assistants.

The regulations pursuant to the by-law under Section (*b*) of the Poisons and Pharmacy Act, 1908, relative to applications made by apothecaries' assistants for registration as chemists and druggists were submitted. They provided for a statutory declaration by each applicant that (1) he obtained under the provisions of the Apothecaries Act, 1815, Section 17, a certificate of qualification to act as an assistant to an apothecary, documentary evidence of this accompanying the declaration; and (2) that he had been for seven years immediately prior to the date of the application employed in an institution or in institutions which it is made necessary he should name, in the performance of duties which he will be asked to specify. The regulations provide that the declaration be signed before a person duly authorised to administer oaths. The applicant will be required to produce a statutory declaration by the superintendent medical officer, or, failing him, the chief administrative officers of the governing body of the institution referred to in his declaration, and if the applicant relies upon service in more than one institution, a statutory declaration must be made in respect of each institution in which the service has been passed. Appended to the regulations is a list of approved institutions.

The regulations were adopted.

Organisation in Scotland.

The report of the deputation to the North British Branch relative to organisation in Scotland was submitted. The following portion of it was supplied to the Press:

> The whole of the morning of Wednesday, January 28 was spent discussing this matter with the Executive. The position was anomalous, owing to the fact that the majority of the Executive are members of the committee of the Federation, and therefore in control of both the Executive and the Federation, Mr. Jack being chairman of both organisations. Mr. Jack expressed in the strongest terms his desire and that of his colleagues who are on the Federation Executive to work in harmony and the spirit of loyalty with the Society. The position was taken that it was impossible for that meeting to speak on behalf of the Federation, and while certain members of the Federation stated that the objects of the Federation as published were in many cases only powers, and there was not necessarily any intention of taking up some of the objects for years, if at all, it was impossible to ascertain what were the objects to which in the immediate future the Federation would be confined. Ultimately the Executive passed the following resolution *nem. con.*: "That the deputation be asked to report to the Council that it be left in the hands of the North British Branch Executive to deal and negotiate with the Scottish Pharmaceutical Federation in regard to working arrangements in Scotland, and to report to the Council in London." We advise that no further action be taken by the Society until a decision has been obtained in connection with the case which is to decide the Society's powers.

The report was adopted without discussion.

Finance Committee.

The financial statement is summarised as follows: Receipts since the last meeting, including a balance of 431*l.* 19*s.* 9*d.*, amounted to 6,629*l.* 9*s.* 1*d.*, made up as follows: Ground rent, 96*l.* 5*s.*; penalties and costs, 33*l.* 18*s.*; "Journal" and publications, 39*l.* 5*s.* 4*d.*; registration fees, 1,593*l.* 18*s.*; subscriptions, 2,478*l.*; examination fees, 3*l.* 3*s.*; school fees, 1,953*l.* After deducting payments amounting to 1,853*l.* 6*s.* 5*d.*, authorised at the last meeting, there was a balance of 4,776*l.* 2*s.* 8*d.* The other balances were: Benevolent Fund (current account, adverse), 21*l.* 16*s.* 2*d.*; Benevolent Fund (donation account), 366*l.* 13*s.* 3*d.*; War Auxiliary Benevolent Fund, 2,298*l.*; Orphan Fund, 130*l.* 13*s.* 5*d.* The financial statement of the Local Associations Executive Committee for December 12 to 31, 1919, showed the income to have been 89*l.* 10*s.*, and the

diture 422*l.* 8*s.* The report of the Finance Com- e recommended the payment of accounts amounting 91*l.* 14*s.* 2*d.*, and that the action of the secretary in g payments amounting to 552*l.* 0*s.* 8*d.* be approved.

MELHUISH asked permission to say a few words the general financial position of the Society, for he een somewhat troubled for some time, he said, with d to its general aspect. It was common know- that as a Society they were enjoying a period of they might call abounding prosperity, which was to extend, perhaps, for a couple of years, or perhaps le longer. But he thought it must be evident to one of them that after that a period exactly the se, so far as finances were concerned, might obtain. peared to him that the chairman of the Finance Com- e might be asked if he could see his way to make an pt to provide something of the nature of a forecast, dget or an estimate covering a future period of, say, or five years. He was aware that he was asking thing which might appear extraordinary. He con- d at once that he was nothing in the way of a cier; but as a plain business man it did seem to important that they should take into very serious deration not only their present, but their prospective, e in the years following those of financial prosperity, the view, if possible, of establishing something of ature of a sinking fund. He made this suggestion for eason that it seemed to him their expenses were very ly increasing, and that the present increase of income , so far as one could see at that moment, necessarily mited to the next year or two. That being so, it did to him to be of the utmost importance that they d endeavour to take a long view of the finances of the ty, and to form some idea—he did not think it was too to take the matter in hand—of what their position d be four or five years hence. It must be obvious with the last large increment in the way of examina- fees from the remarkably large number of students, after these men had qualified, as he was sure the cil all hoped they would qualify, there would be a sponding period of depression for several years. For e reasons he would ask the chairman of the Finance mittee to take the matter of the present and future ces into most earnest consideration.

e TREASURER (Mr. Bilson) replied that the matter red to by Mr. Melhuish had already been considered e Finance Committee. At the same time he regarded criticism of that gentleman as very wholesome. Per- lly he was pleased to find a member of the Council ide the Finance Committee who took an interest in finances of the Society. This was something new. ghter and hear, hear.) It was quite true that the ent would be a record year as regards income, and bably next year it would be a matter for serious con- ration by the Committee as to how best the money d be utilised in the direction of making provision for lean years which, as Mr. Melhuish had pointed out, e certain to follow. He could only say that that gentle- 's suggestion would be adopted. It was, of course, e impossible to budget for four or five years in ance. In fact, one was frequently surprised at Finance mittee meetings to find that money had to be spent in ay that they really did not bargain for. At the same e, with regard to the suggestion that there should be e sort of statement brought forward at a future meet- he would go into details and ascertain if anything d possibly be done with the view to budgeting for e or four years in advance.

Mr. CAMPKIN remarked that he could verify the state- t of the treasurer that the subject raised by Mr. lhuish had received the consideration of the Finance mittee. There was little criticism in the Council mber of the work of the Finance Committee, so long that Committee could make both ends meet and have ttle to spare. What he thought would be a good thing ld be the preparation of something like an estimate the probable income and expenditure from year to r. This was done by the Finance Committees of most lic bodies. This had not been done by the Finance mittee of the Society in the past, for the reason that the accounts were merely passed from month to month, and it was open to anyone to criticise the various reports from time to time. The suggestion made by Mr. Melhuish was worth consideration because, although there was a prospect of the period of financial prosperity extending over two or three years, the time would arise when the income would get to a dead level.

Mr. HINES said that some time ago, as a member of the Finance Committee, he had suggested that they should budget annually, but he had always been met with the objection that this was not at all possible. He wished to say this, as one who had served on the Committee for about three years, that he had always felt that too much of the time of its members had been wasted on mere book-keeping details, and too little of it had been devoted to a full and proper consideration of the policy of the Society with regard to income and expenditure. He was confident that if the Committee had had more time at its disposal in past years to deal with a system of budgeting, a good deal of Mr. Melhuish's criticism would not have held good. He hoped that more time would in the future be devoted to a definite line of policy rather than to book-keeping details.

Mr. KEALL said he wished to associate himself with Mr. Hines's observations. It was the common practice with other bodies to ask the Finance Committee's advice before deciding on the expenditure of large sums of money. That had not been the practice with the Council since he had been a member of the Finance Committee. Now that they were having a period of financial prosperity he urged that it be an instruction that, before any sum of money was spent by the Council, the whole circumstances should be referred to the Committee for full consideration.

Mr. WOLFF regarded the idea of a sinking fund being established as an excellent one, and suggested that the Council should adopt it right away. Indeed, he thought they had already a nucleus for such a fund. He noticed that an item of 43*l.* 12*s.* 9*d.* had been expended last month on the entertainment of the Council. He respectfully submitted that the Finance Committee should exercise economy in that direction, and with the resulting proceeds establish a sinking fund.

Mr. GUTHRIE thought the Council were rather missing the point of Mr. Melhuish's remarks. He did not take it that that gentleman criticised in any shape or form the actions of the Finance Committee; therefore he did not think its members were in any respect on their defence. Mr. Melhuish, as a member of the Council outside that Committee, had only very wisely called attention to a circumstance which, it so happened, had previously engaged the attention of the Committee, and he was perfectly sure it would have even more painstaking consideration from the Committee in consequence of that gentleman's having done so. The point raised as to the time spent on details did not affect the matter at all. It was for the members of the Finance Committee to decide how much time they would spend over such details.

Mr. SARGEANT remarked that, as the last member of the Finance Committee to speak on the point raised, he had nothing at all to say. (Laughter.)

The report was adopted.

LOCAL ASSOCIATIONS EXECUTIVE COMMITTEE.

The report of this Committee stated that a sub-committee had been appointed to consider in what way its functions and constitution might be revised to act satisfactorily as an employers' organisation. It also stated that the Committee is impressed by the urgency of obtaining a decision of the Courts upon the powers of the Society, and urged upon the Council the importance of obtaining a speedy decision in the pending test case. The Committee had considered the advisability of installing some form of apparatus that would lessen the heavy printing costs incurred. About 500*l.* had been spent on printing connected with the work of the Committee during the past year. They were satisfied from evidence of actual users that the Multigraph printing machine would reduce the printing account to such an extent that probably in two years it would have paid for itself. They therefore recommended that the Secretary be authorised to proceed

with the installation of the Multigraph printer at an estimated cost of 280*l*. They had considered the difficulties arising through the changes in Burroughs Wellcome & Co.'s prices consequent upon the cessation of the publication by that firm of the monthly changes in prices, and had come to the conclusion that the pre-war rate of discount allowed by that firm should be revised to meet the increased costs due to post-war conditions of business. The Committee had therefore instructed the secretary to write to Messrs. Burroughs Wellcome & Co., suggesting that the changes in the principal lines should be advertised in the trade journals if it was not practicable to circularise their customers regularly, and also drawing their attention to the urgent need for an increase in the profit on their goods. The Committee viewed with concern the levy sanctioned by the P.A.T.A. Council as being a deduction from the already inadequate rate of profit on proprietary articles, which, under present conditions, could not be passed on to the customer; and had urged the P.A.T.A. Council to expedite by all possible means such arrangements as would remove this surcharge and place the sale of proprietary articles on a remunerative basis, taking into consideration the higher rates of profit demanded by post-war conditions.

Mr. Wolff, referring to proposed purchase of a Multigraph printing machine, asked if the Committee had taken into consideration that an expert operator would have to be employed, entailing an expenditure of at least 120*l*. a year? A circular-letter required in a hurry could not be produced by the machine. A printer who received the matter by three o'clock in the afternoon could get out such a circular in time to be posted the same evening, but with the Multigraph it was a physical impossibility for any operator to have it set in less than a day or a day and a-half and sometimes two days. From his own personal experience he could say that the machine would not be so helpful as was suggested.

Mr. Deakin, in reply, said that in view of the last printing bill, which amounted to 283*l*., the Committee had seriously considered whether or not some more economical means could be provided for issuing printed matter, and having received the opinion of those who had experience of it they came to the conclusion that the most economical course to adopt would be to purchase the machine. They were satisfied that in two or three years it would have paid for itself. It was felt that it might be used, not only for the L.A.E. work, but for printing a good deal of the literature issued by the Council. (Voices, "Oh!") There might be an adjustment between the two bodies by which the machine could be made to serve the purposes of both.

The report of the Committee was then adopted.

Benevolent Fund Committee.

The report of this Committee stated that several applications for assistance had been received and dealt with.

Library Committee.

The Committee's report stated that the chairman reported that, in consultation with Major Peck, he had considered the framing of a suitable scheme of studies. After discussion, the chairman's scheme was accepted. It was resolved that an examination based upon the selected courses be conducted at each of the approved schools, and that the sum of 200*l*. be divided as prizes among those who reach a certain standard in the examination. A circular has been prepared and will be sent to students whose grants have been notified to the Society by the Appointments Department. The Committee are satisfied that there may be considerable difficulty in the large number of students involved being able to obtain the necessary text-books. The Committee are of opinion that the Society should obtain sufficient copies of the required books in bulk, and that the books should be supplied free of cost to those students who give an undertaking to pursue the course and sit for the examination.

The recommendation was agreed to.

This concluded the public business.

Organising the Drug-trade.

Drug Union Meetings.

The London retail pharmacists' and assistants' branche of the Amalgamated Society of Pharmacists, Drug an Chemical Workers (affecting a total membership of nearl 600 chemists' assistants), at a meeting on February 1 decided to work together under one set of branch officer: The "Boots Staff" Committee also met, and conferre with a view to consolidating the position in London an country preparatory to placing the demands of the sta before the directors.

N.A.C.A. Meetings.

At a meeting of the Bath branch of the N.A.C.A held recently, a resolution of sympathy was passe on the death of the late hon. secretary, Mr. C. W Walwin.

The first meeting of the Rochdale branch of the Nationa Association of Chemists' Assistants was held recently at which Mr. Ashton (Manchester) gave an address. Th following officers were elected: *Chairman*, Mr. F. Picke ing; *Treasurer*, Mr. H. Thomas; and *Secretary*, Mr Wade.—At a subsequent meeting, Mr. F. Pickering in th chair, it was resolved to forward a resolution to the secre tary of the Association (Mr. D. Fullerton) in favour o federation between the N.A.C.A. and the Amalgamate Society of Pharmacists, Drug and Chemical Workers.

At a meeting of the Leeds branch held recentl it was decided to support the acceptance of the federa tion proposals. Mr. Pendlebury's resignation wa accepted (owing to his having been appointed a director o Boots, Ltd.) and Mr. Nunns was elected president in hi place. It was decided to ask Mr. Hollingworth to arrang for another social meeting.

A meeting of the Hull branch of the National Associa tion of Chemists' Assistants was held recently, th President (Mr. L. Sherwood Sellé) in the chair. Th treasurer (Miss Naylor) presented a satisfactory repor of the recent social gathering, showing a smal balance in hand. The following new members wer elected: Miss Marsden, Messrs. Jackson, Walke Nicholson, Nutt, Shearsmith, and Taylor. A discussio arose on the subject of amalgamation with the Dru Union, and it was resolved to support the proposal.— The secretary of the Decimal Association (Mr. G. E. M Johnson) addressed the members of the Hull branch o the National Association of Chemists' Assistants on *The Coming of the Kilogram*, at a meeting held on January 21 which was presided over by Mr. L. Sherwood Sellé chemist and druggist. In the course of his address Mr Johnson urged that if nickel shillings were to be issue as advocated in London, the decimal sequence of currency should also be introduced at the same time. He ridiculed the present weights and measures and showed the advantages of the metric system.

A meeting of the Bristol Branch of the National Asso ciation of Chemists' Assistants was held recently Mr. Wills in the chair. The secretary gave an accoun of the negotiations which have taken place between th N.A.C.A. and the Amalgamated Society of Pharmacists Drug and Chemical Workers, and strongly advised th two unions to federate. He pointed out that the em ployers were preparing to form a federation o trade-union lines, and it was equally essential fo employés to be able to speak with one voice. He em phasised the need for assistants to have more repre sentatives on the Pharmaceutical Council, and asked al qualified men to join the Society so that by their vote they can elect their own members. Afterwards it wa unanimously decided to recommend federation with th Drug Union. Sympathetic references were made regard ing the death of Mr. C. W. Walwin (secretary of th Bath Branch), and a vote of sympathy with his widow was passed.

Associations' Winter Session.

Birkenhead.—A meeting of the Birkenhead and Wirral Association of Pharmacists was held on January 28, Mr. F. C. Cooling (the President) in the chair. Mr. H. W. Wallis (Ellesmere Port) addressed the meeting on *Current Events in the Pharmaceutical World.* The speaker called the attention of the meeting to the number of men studying under the Government training scheme. Would they be content with the present standard of pharmaceutical education? Could the trade absorb them under present conditions? These were questions for serious consideration. Changes in the craft were coming, and, as we benefited by what had been done by others in the past, so we should endeavour to make the position of the future chemist and druggist better and more secure. Would the patent-medicine business be left alone? It was likely to be strictly controlled, and what effect would it have on our business? Mr. Wallis spoke also of *x*-ray work, analysis, and bacteriology for pharmacists. The company firms, with their greater resources, would most likely decide that the trade branch offered greater profit, and leave the professional branch to be developed by the private chemist. Turning to the vexed question of profiteering, some Government limitation of profits might be expected to arise, and with fixed prices a limitation of shops in order to secure a reasonable standard of living for those engaged in the trade was possible. In the subsequent discussion Mr. Cooke (Hoylake) said it was well worth the while of any young man entering the trade to-day to take the B.Sc., or other scientific degree, specialising in bacteriology. It was a pity that years ago the patent-medicine trade had not been left to the grocers and the stores. Mr. Cookson thought it unfortunate that chemists could not make a mass attack on profitless patents in the way wholesalers levied the "surcharge."

Blackburn.—The annual general meeting of the North-East Lancashire Chemists' Association was held at the Victoria Hotel, Blackburn, on January 22. Mr. J. W. Aspinall presided. Mr. Fred Law (secretary) gave a statement of accounts for 1919. The members' subscriptions amounted to 52*l.* 10*s.*, the monthly list had cost 5*l.*, contributions for the Pharmaceutical Benevolent Fund 53*l.* 8*s.*, the total income being 130*l.* 19*s.* 2*d.* Expenditure included 21*l.* members' fares to London, 1*l.* 6*s.* expenses of assistants to Manchester, 4*l.* 7*s.* 6*d.* secretary's expenses to London, 5*l.* 5*s.* secretary's salary, leaving a balance of 30*l.* 4*s.* 2*d.* The sum of 5*l.* 10*s.* had been earmarked for the Parliamentary Fund, and there was 14*l.* 10*s.* owing for printing, etc., leaving a balance disposable of 10*l.* 4*s.* 2*d.* The accounts were adopted. In his presidential address Mr. Aspinall summarised the chief events of the year. The passing of the Apothecaries' assistants by-law, while not welcomed by everyone, was considered, he said, a most necessary proceeding. They all regretted that Mr. Gifford was not elected on the Local Associations Executive Committee, particularly having regard to the character of the work vested in that Committee. The chairman (Mr. Deakin) was the right man in the right place. It had been suggested that the annual meeting should be held in the later months of the year, instead of January. He believed such a change would create interest, because the arrangements for the forthcoming year would not then have been decided upon. Mr. R. L. Gifford, J.P., proposed a vote of thanks to Mr. Aspinall for his services during the year, and the resolution was carried with acclamation. Referring to the election of a new President, Mr. Aspinall said Mr. R. McMyn, who had been nominated as the new President, had had a varied experience on several committees, including the vice-chairmanship of the Pharmaceutical Committee. He hoped the members would extend to him the same degree of support which he himself had enjoyed. On the proposal of Mr. Lightbown, Mr. McMyn was thereupon elected *President*, and Mr. Aspinall *Vice-President*. Mr. Aspinall hoped that in the succeeding years the Association would adopt a Vice-President who would automatically fill the chair the following year. Mr. J. Isherwood said the suggestion was a good one, but Mr. Gifford saw difficulties in the way of its general adoption. It was decided to discuss the matter at a future meeting. Mr. J. W. Openshaw was appointed *Hon. Secretary* and Mr. Holt *Auditor*. Mr. Fred Law was again chosen as *General Secretary*. The following were appointed to the *Committee*: Messrs. Smith, Lightbown, Critchley, Isherwood, Gifford, J.P., and Yates. The hope was expressed by Mr. Lightbown that more use would be made of the Committee. For the subscriptions it was decided to fix the annual membership fee at 1*l.* 1*s.* Mr. Smith raised the question of managers paying the same fee as proprietors, but the meeting declined to offer any reduction. It was stated that in most cases the subscriptions were paid by the employers. Mr. Law placed before the meeting the improved Insurance terms for 1920. The previous arrangements regarding checking and collection of scripts were continued. Mr. Pickup and Mr. Yates were appointed auditors for the Insurance section of the accounts, and it was decided to continue the monthly list, as hitherto.

Chester.—The annual meeting of the Chester Pharmacists' Association was held on January 29, the President (Mr. D. T. Dickinson) in the chair. The treasurer announced a balance in hand of 2*l.* 9*s.* 6*d.*, and the Benevolent Fund box yielded 2*l.* 3*s.* 10*d.* The following were appointed officers for the current year: *President*, Mr. David Dickinson; *Vice-President*, Mr. Thos. Carter, Ph.C.; *Hon. Solicitor*, Mr. David Hughes; *Hon. Secretary and Treasurer*, Mr. D. T. Dickinson.

Dublin.—A committee-meeting of the Dublin Retail Drug Association was held on January 28, Mr. D. M. Watson (President) in the chair. The following were also present: Messrs. R. Mellon, G. Brown, R. White, J. Smith, G. A. McLean Lee, C. Troughton, and Sir Thomas Robinson, Drs. J. A. Mitchell, J. A. Walsh, and Mr. R. J. Kidney. Correspondence was dealt with, and the following were elected members: Messrs. Jas. White (Fermoy), P. J. Kennally (Tralee), M. J. Bunyan (Birr), Donnelly & Co. (Dundalk), W. H. MacAuley (Ballinasloe), and Dunane's Medical Hall (Ballinasloe). The following members have resigned: Messrs. W. Robinson (Ramelton) and R. McCay (Castlederg). The question of dealing with current price changes was discussed, and the committee asks all members of the Association to send in suggestions of price changes; forms for this purpose are being prepared and will be sent to members as soon as possible.

Halifax.—A meeting of the Halifax Chemists' Association was held on January 27, presided over by Mr. B. C. Hodgson, at which Mr. Hugo Wolff gave an address on *The Proprietary Articles Trade Association Propaganda.* The object of the Propaganda Sub-Committee, he said, of which he was the sponsor, was to stir up manufacturers who treated them badly. Whatever article came on to the P.A.T.A. the Council always tried to get the maximum profit, and never accepted an article at less than 20 per cent. retail and 10 per cent. wholesale. Alluding to the question of face values, the speaker said that when he began to stump England everyone said it was because he wanted to get on the Pharmaceutical Council. If, however, anyone thought he (Mr. Wolff) treasured being on the Council he was highly mistaken. It was a fearful waste of time, and a most expensive hobby. Every question relating to the retailer was dealt with by the Propaganda Committee before it went to the P.A.T.A. When he started the face-value campaign, 42 per cent. of the lines on the P.A.T.A. were at face values. When he ceased the campaign there were nearly 60 per cent., while in December 1919 there were over 86 per cent. When he started the campaign there were 3,700 members of the P.A.T.A., and in December 1919 there were well over 6,000. In the discussion which followed, the chairman said he believed every qualified man in Halifax was a member of the P.A.T.A. Mr. Gibson Dixon pointed out that wholesale houses are putting 1½ per cent. on the cost of proprietary articles, and that that had received the endorsement of the Council of the P.A.T.A. Why should the 1½ per cent. be pushed on to the chemists when there were three sections—namely,

manufacturers, wholesalers, and retailers? He thought the reason it was put on to the retailers was because they are the weakest section. Mr. Wolff replied that he agreed with the attitude of the chemists, but the wholesaler could not pay, and retailers would only have to pay the 1½ per cent. on broken bulk, and not on makers' parcels. Neither could the bulk of the big manufacturers pay it, as they did not make 1½ per cent. themselves on those articles. To reduce the quantity, as had been suggested, would mean the introduction of new machinery if the same containers were used, and that would be a very expensive matter. A conference on the question had not yet been held. Mr. Dixon suggested that in all bottled goods the 3*s*. size should be the smallest. Mr. Wolff did not think that was practicable, as the 3*s*. size was too large. He considered that there would be a lot of poverty in the country when the present rush was over. Mr. P. W. Swire thought manufacturers should allow a larger ratio of profit on larger sizes than they did at present. Mr. Wolff promised to take the matter up with a firm specially mentioned, and to let the secretary know the result.

Lewes.—The quarterly meeting of the East Sussex County Association of Pharmacists was held on January 28, the President (Mr. F. Filmer De Morgan) in the chair. The secretary reported on the attempt on the part of the Insurance Committee to extend the hours of service, and was instructed to resist any extension of the hours now in vogue. The secretary informed the meeting that no complaint had been lodged against any member to date under the Profiteering Act. With regard to dispensary charges, it was agreed that a fair method was to charge for the contents and container at retail prices, *plus* an inclusive dispensing-fee calculated at 5*s*. per hour for the time taken to dispense the article. Resolutions were forwarded to the Local Association Executive accepting the terms for 1920, also to Burroughs Wellcome & Co., urging an increase on the rate of profit upon their preparations. The secretary (Mr. R. R. E. Perkins) was deputed to represent the Association at the forthcoming meeting of the Federation. A vote of condolence was passed in sympathy with Mr. P. G. Dixon and family on the death of Mr. W. R. Dixon.

Liverpool.—The annual general meeting of the Liverpool Chemists' Association was held at the Royal Institution, Colquitt Street, on January 28, Mr. David H. Evans presiding over a good attendance. Two new members were elected. The President then moved the following resolutions:

1. Registered chemists *only* shall be eligible for election as members. All persons interested in promoting the objects of the Association shall be eligible for election as Associate members.
2. Subscription for members shall be 7*s*. 6*d*. yearly and Associate members 5*s*. Subscribers of 1*l*. 1*s*. yearly to the Association's funds shall, subject to election by the Council, be appointed Hon. Vice-Presidents.

He explained that the first resolution was necessary if the Association was to form an Industrial Council. The numbers who had paid subscriptions this year were: Qualified, 160; unqualified, 40. Some discussion ensued, Mr. John H. Robinson suggesting that the motion might stand over for a year. Several members, including Dr. Chas. Symes, Mr. Robinson, and Mr. Moreton Parry, joined in expressing appreciation of the wholesalers in maintaining the Association during crises in the past. Mr. William P. Evans (Evans Sons Lescher & Webb Ltd.) assured the Association that the revision of the rules would make no difference to the support of the Association on the part of the wholesale trade. Eventually the revision of the rules was agreed to. The *Vice-President* (Mr. W. H. Clubb), the *treasurer* (Mr. W. Wellings), and the *hon. secretary* (Mr. A. S. Furniss) were afterwards reappointed. The hon. secretary presented the report of the seventieth session of the Association, which was then adopted, together with a balance sheet presented by the hon. treasurer, who pointed to the singular fact that the year began with 2*l*. 8*s*. 7*d*. in hand and closed with a debit balance of the same amount. The President gave a brief review of the year. One of the most important, certainly the most noisy, of the events had been the passing of the new by-law. Now that the disturbance had subsided, he could only wonder what all the noise had been about. The small number of men eligible for registration under the by-law was negligible, and, so far as he could find out, no application had been received. Of much greater importance was the large number of pharmacy students registered during the year. The number could not be less than 2,000, the great majority being ex-soldiers. When the Liverpool Interviewing Board was first formed the Association was not even approached or consulted at all in the matter. Since then Mr. W. H. Clubb and Mr. Moreton Parry had worked on and devoted much of their time to the Interviewing Board, and with them he had had the honour of being associated. The Profiteering Act and the increased railway rates were next dealt with. There was a serious talk of booming buying associations. Having emphasised the complaint of advertising proprietary and other articles as obtainable from the various stores, and dealt with the deposit charge on syphons, the President said the Insurance dispensing-terms for 1920 were not yet satisfactory. In conclusion, he criticised the addition to invoices of 1½ per cent. for cartage. This led to discussion, followed by an explanation by the Proprietary Articles Trade Association representative.

London (S.E.).—A general meeting of the South-East London Chemists' Association was held on January 27, Mr. C. Happold (President) in the chair. The secretary reported that Mr. F. Ullett (Rye Lane, Peckham) had sustained a compound fracture of the leg, and it was agreed to express the Association's sympathy with Mr. Ullett in his misfortune. A member reported that he had been summoned to appear before his local Profiteering Committee for an overcharge on tooth-paste sold on Sunday night. He said that it was, and always had been, his custom to exhibit on his door and in his pharmacy a notice announcing the fact that on any article sold on Sundays other than medicines a surcharge of 50 per cent. would be made, and the excess charge given to charitable institutions. Sales after usual business hours was afterwards discussed. The meeting also dealt with dispensing charges, the Profiteering Act, and the Rats and Mice Destruction Act. It was agreed to hold another whist-drive and social in March.

Northampton.—A meeting of the Northampton Chemists' Association was held on January 27, at which Mr. J. Gallimore presided. The report on the Tariff negotiations for 1920 was discussed, and it was generally felt that the result was satisfactory. A communication from the Insurance Committee was read requiring a rota, but the meeting decided that there was no necessity for a rota. It was also resolved that the double fee for urgent prescriptions dispensed after eight o'clock, and for Sunday work, should be asked.

Public Pharmacists.—The Public Pharmacists' Association held the annual general meeting on January 28, Mr. Arthur Jenkin (member of the Pharmaceutical Council) in the chair. The following were elected members: Miss C. Marshall (chemist and druggist), Messrs. J. G. Fry (chemist and druggist), R. Fouracre, Ph.C., and R. V. Gurd, Ph.C. The annual report was submitted and will be circulated to London and provincial members. The financial statement was satisfactory. The election of officers resulted as follows: *President*, Mr. I. H. W. Idris, J.P.; *Chairman*, Mr. J. L. P Hollingworth; *Vice-Chairman*, Mr. Albert Howell; *Hon. Secretary and Treasurer*, Mr. Geo. W. Gibson; *Hon. Secretary "Poor-Law Section,"* Mr. R. W. Lindsey; *Assistant Secretary*, Mr. A. J. Gibbons; *Council*, Misses Andrews and Gilliatt; Messrs. Cairns, France, Jenkin, Moore, Bullen, and Skinner. A vote of thanks was accorded to Mr. Jenkin, who now retires, after two years in the chair. At the close of the business a practical demonstration was given by Mr. Jenkin on *Dispensing Time-savers*. Mr. Gibson followed with explanations on *Spirit Rebate*, making appreciative reference to the tables published in the *C. & D.* (1919, p. 1507). Applications for membership should be made to Mr. G. W. Gibson, St. Pancras South Infirmary, London, N.W. 1.

Insurance Act Dispensing.

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

ournemouth.—A statement of the year's finances for 3 was presented at a recent meeting of the Inance Committee. This showed a total income of 095*l.* 12*s.* 4*d.*, and an expenditure of 14,367*l.* 6*s.* 1*d.* Drug Fund totalled 1,981*l.* 7*s.* 1*d.* The accounts 1919 showed receipts amounting to 15,278*l.* 17*s.* 4*d.*, an expenditure of 14,567*l.* 15*s.* 8*d.* The payments er the Drug Fund amounted to 1,937*l.* 5*s.* 5*d.* The ounts paid since the previous meeting of the Committee luded 187*l.* 10*s.* 5*d.* for the Drug Fund. Mr. F. E. n was reappointed representative on the South-stern Joint Pricing Committee.

erby.—At a meeting of the Insurance Committee, d on January 21, it was stated that the hours agreed n for chemists were 9 A.M. to 7.30 P.M., except in the e of certain shops in the centre of the town, which ld close at 7 P.M. Notices had to be exhibited iti-ing where medicines could be obtained in emergencies, it was understood that all prescriptions marked rgent" were to be made up on presentation at any r of the day or night. The hours on Wednesdays are .M. to 1 P.M., and the arrangements already working the evenings of that day were to be continued. tistics showed that 26,037 prescriptions were dispensed ring the quarter ended September 1919, and that the nber of patients prescribed for was 40,029.

ssex.—The quarterly meeting of the Insurance Com-tee was held on January 27, Mr. J. H. Burrows, J.P. airman), presiding. On the recommendation of the ance Committee the sums of 500*l.* and 390*l.* were re-ctively allotted to the Panel and Pharmaceutical Com-tees for administrative expenses during 1920. One gnation from the list of persons supplying drugs and liances was reported. The following amounts were ected to be paid to chemists: (Drug Fund) 2,085*l.*, natorium Benefit Fund) account, 39*l.* 15*s.* The Special dical Benefit Sub-Committee reported that they had ferred with the representatives of the Pharmaceutical mittee upon the proposed scheme, under Art. 9 of Regulations with regard to the supply of medicines, ., at all reasonable times to insured persons, but have n informed that it is not yet practicable to proceed. e report was approved.

Middlesex.—At a meeting of the Pharmaceutical Com-tee, held on January 14, the new Insurance dispensing ms were considered. After prolonged discussion, it s unanimously resolved to recommend Middlesex mists to continue service during 1920. The secretary l the checking supervisor were deputed to discuss with Ministry of Health the question of the proposed eme for securing proper pharmaceutical service, and re is no reason to believe that this will impose any fresh ligations on chemists. The report of the checking ervisor included the following statistics:

October scripts, 65,924; av. cost, 9.6*d.*; presens., 83,207; . cost, 8.0*d.*

November scripts, 67,744; av. cost, 9.9*d.*; presens., 81,553; . cost, 8.2*d.*

The bi-monthly meeting of the Insurance Committee was ld on January 26, Alderman W. W. Kelland (vice-airman) presiding. The Finance and General Purposes b-Committee recommended the payment of accounts ounting to 49,955*l.* 0*s.* 3*d.* Among these were the follow-g: To chemists: Balance October 1919 and advance ovember 1919, 2,748*l.* 16*s.* 6*d.*; balance November 1919 d advance December 1919, 2,689*l.* 13*s.* 4*d.*; to doctors r drugs in emergency, 1*l.* 0*s.* 10*d.*; and also for drugs invalided soldiers, 4*l.* 14*s.* 10*d.*; for drugs chargeable the Special Arrangements Fund, 6*l.* 6*s.* 7*d.* The recom-endation was adopted. The Sub-Committee also ported that a chemist on the panel wished to resign as from December 31, and a second asked to be released at the earliest possible date. Not being at present satisfied that adequate facility exists for dispensing in the districts concerned, the Committee recommended that the chemists be informed that the Committee were not prepared to release them from their agreements. The report was adopted. The Finance and General Purposes Sub-Committee was deputed to settle and approve the scheme for securing adequate provision of drugs and appliances for insured persons in each district at all reasonable times. The Pharmaceutical Committee has issued a circular to panel chemists referring to the new terms for Insurance dispensing, which states:

Having given the fullest consideration to the matter, the Middlesex Pharmaceutical Committee has unanimously resolved to recommend panel chemists to continue service on the new terms for 1920, and it is hoped that you will see your way to act upon this recommendation. With regard to the proposed scheme for securing pharmaceutical service, there is no reason to believe that this will impose any fresh obligations on Middlesex panel chemists. It may be necessary to form a rota in any urban district where the needs of insured persons call for such a step, but it is not thought that existing arrangements will require to be altered materially, so long as provision is made for the supply of medicines and appliances at all reasonable times.

Salford.—The monthly meeting of the Salford Pharmacists' Association was held recently, when Mr. Simmons gave an excellent review of the proceedings at the recent Local Associations Executive Conference. Mr. Kenworthy was the other delegate. The members considered the new terms fairly satisfactory, and were gratified that the $\frac{1}{10}d.$ minimum had been granted, as it was claimed that that demand had originated in Salford.—All the recent test prescriptions sent to the Salford chemists were mostly stock mixtures or lotions, and 10-oz. quantities were ordered. The following were among the preparations required: *Lotiones*: Acid. boric.; calamin. *Misturæ*: Acid. strych.; acid. acetylsal.; ferri et quin.; hydrarg. iod.; potass. brom.

Sheffield.—A meeting of the Pharmaceutical Committee was held on January 14, at which Mr. J. T. Appleton presided. Mr. A. H. Culverhouse forwarded a letter resigning his seat upon the Committee, his firm having withdrawn from the panel. The letter will be considered at the next meeting. The Committee has accepted the Society's checking for 1920, with a provision for a full check if required, and it was decided to apply to the Insurance Committee for a grant towards the Committee's expenses. It was also decided to ask the Insurance Committee to provide a better quality carbon prescription-book. Panel chemists will be asked to accept the proposed new terms for 1920. The July checking account, showing a net result in favour of the chemist, was considered satisfactory.—A meeting of the Insurance Committee was held recently, at which the name of Mr. Robert E. Wardell, 321 Glossop Road, was added to the panel list of chemists in place of Mr. J S. Burnell, who had resigned. A fee of 1*s.* 3*d.* per hundred patients on the doctors' lists is to be paid for the supply of drugs, etc., for immediate application. The Panel Committee is to be supported in requesting that the Ministry should be asked to add to the schedule of approved medicaments colloids of silver, copper, iodine, sulphur and manganese for intra-muscular injection. It was decided to grant a sum of 190*l.* for the expenses of the Pharmaceutical Committee for 1920. A payment to chemists was ordered of 1,040*l.* 2*s.* 7*d.*

WELL MEANT.—The following effusion has been received from an address in West Africa by the Thermogene Co., Ltd., Haywards Heath: "Your name and address having recommended to me by a certain friend of mine that you are the best manufactuerer in the city of Sussex. I have made up my mine to have you dealt with properly. And by that send me your samples of all things you have in your possession. Awaiting your kindest reply by next avibly mail . . ."

Trade Report.

42 Cannon Street, E.C. 4, Feb. 5.

The rapid worsening of the foreign exchange rates has given a decided check to business this week, and it is becoming increasingly difficult for merchants in all countries to trade, especially as regards the placing of forward contracts. The outstanding feature is again the appreciation of the American dollar, the new low record of $3.30 to the pound sterling being touched on Wednesday, making the purchasing value about 13*s.* 3*d.*, and in a short time it is predicted we shall see a three-dollar exchange. Concurrently with this, the French, Italian, and Belgian exchanges were, of course, adversely affected, all rising rapidly. At the same time several of the former neutral rates continued to move against this country, particularly the Dutch, and the German mark depreciated in value to about ⅜*d.* As a result of these sensational happenings, a number of chemicals imported from the U.S.A. have advanced in value in order to meet the loss in exchange, these including hexamine, calcium lactate, gallic acid, phenacetin, vanillin, etc.; for the same reason Dutch quinine is 3*d.* dearer. Quicksilver is unsettled and lower. Santonin has sharply advanced. Citric acid is nominal in the absence of stocks, and the famine in tartaric-acid crystals continues, but powdered is easier. Oxalic acid is scarce and dearer, and acetic acid has a firm tendency. Sulphonal and methyl sulphonal are lower. Chloral hydrate is easier. Among drugs, English castor oil is 5*l.* higher. Florentine orris, Japanese refined camphor, menthol and Japanese oil of mint are easier. Ipecacuanha is very firm. Coriander-seed is higher, and Norwegian cod-liver oil is cheaper. Cocoa-butter is 2*d.* dearer. Cloves have had a sharp rise. Fixed oils, like linseed, cottonseed, and rape, have steadily risen, assisted by speculators, the same applying to turpentine oil.

Higher	Firmer	Easier	Lower
Albumen	Ammon ichthyol.	Anise oil, star	Canary-seed
Apiol	Barium chloride	Camphor (Jp. ref.)	Cod-liver oil
Balsam Peru	Calcium lactate	Chloral hydrate	Hen-yolk
Castor oil	Gallic acid	Mint oil	Menthol
Cloves	Ginger (Jp.)	Orris (Flor.)	Methyl sulphonal
Cocoa-butter	Jalap resin	Tartaric acid (powder)	Quicksilver
Coriander-seed	Lithopone		Shellac
Cottonseed oil	Soda phosphate		Sulphonal
Lemongrass oil			
Linseed oil			
Hexamine			
Oxalic acid			
Quinine			
Quinine ethyl carb.			
Rape oil			
Santonin			
Soda nitrite			
Soda sulphide			
Turpentine			
Vanillin			

The monthly drug-auction will be held next Thursday, February 12.

Cablegram.

New York, February 4.—Business in chemicals and drugs is active. Menthol has advanced to $14.00 per lb. Antipyrin (phenazone) is a further 25c. dearer at $7.00. Acetanilide is dearer at 60c., and hexamine at $1.80 is also higher. Round buchu-leaves have declined to $2.25, and mercury to $85.00 per bottle.

Acetic Acid has a firm tendency, importers quoting 80-per-cent. pure at 75*l.* per ton and 80-per-cent. technical at 67*l.* 10*s.*, both in casks. Glacial is 92*l.* 10*s.* per ton.

Albumen is again higher, prime Chinese hen having been sold on the spot at from 5*s.* 10½*d.* to 6*s.* 2*d.* per lb.; December-January shipment has also been sold at 6*s.* to 6*s.* 1½*d.* c.i.f. and afloat at 6*s.* 3*d.*

Ammon. Ichthyolsulphonate.—With reduced stocks, importers have raised their prices, quoting 2*s.* 6*d.* per lb. in bulk.

Amyl Salicylate has been advanced by importers to 10*s.* per lb.

Anise.—For Russian 87*s.* 6*d.* per cwt. is asked, but Spanish is not quoted.

Apiol.—Makers have advanced their list prices by 5*s.* per lb. to 40*s.*

Arsenic.—The demand seems about sufficient to take care of the very moderate quantities offering, and the tone is firm at about 68*l.* to 70*l.* per ton for white Cornish powder delivered London.

Aspirin continues firm at from 5*s.* 6*d.* to 5*s.* 9*d.* per lb.

Balsam Peru is rather dearer; spot has been recently selling at from 23*s.* to 24*s.*, but 25*s.* is now the lowest quotation.

Barium Chloride.—Rather higher prices have been paid for early delivery; crystal or powder is offered at 24*l.* 10*s.* per ton in casks and bags, delivered U.K.

Bismuth.—The recent reduction in the American price has had no reflex on this market, while it is understood that the current supply is barely equal to consumers' requirements. The price of metal is nominal at 12*s.* 6*d.* per lb.

Bromides.—A fair amount of business is being done at irregular prices, the undertone in potash being temporarily weak owing to the large imports, principally from Germany and the circularising of cheap offers by newcomers in the chemical trade. A fair price for potash is from 4*s.* to 4*s.* 3*d.*, as to quantity; soda is 4*s.* to 4*s.* 3*d.* also, and ammon. 4*s.* 3*d.* to 4*s.* 6*d.*

Bromine.—The German Bromine Syndicate is anxious for business, judging by their circulars received in London. We note imports of liquid bromine *viâ* Holland.

Calabar Beans.—Small sales have been made in Liverpool at 8*d.* per lb.

Calcium Lactate is dearer at from 8*s.* to 9*s.* per lb., the higher price being for small lots.

Calumba.—Further considerable arrivals have taken place; the London stock on February 1 was 4,452 packages, against 1,109 in February last year and an average of about 400 packages for the previous four years. Hamburg has been offering this market good quality, as per sample, at a surprisingly low figure.

Camphor (Refined).—Japanese 2½-lb. slabs are easier, spot offering at 19*s.* 9*d.* to 20*s.* per lb.

Canary-seed is neglected, and quotations are nominal at 200*s.* per quarter for Turkish and 210*s.* to 227*s.* 6*d.* for ordinary to good Morocco.

Caraway-seed is slow of sale at 50*s.* per cwt. for good Dutch and 42*s.* 6*d.* for Tunis and Morocco qualities.

Castor Oil has advanced 5*l.* per ton, the Hull makers' quotation for pharmaceutical being 104*l.*, first pressing 101*l.*, and seconds 99*l.* per ton net, barrels included, ex works, Hull. French has been arriving in fair quantity in London, but owing to dock congestion delivery may be delayed. Medicinal water-white in cases can be had at 120*l.* per ton in cases, landed terms, which is comparatively cheap, and for prompt shipment in barrels 108*l.*, landed terms, is quoted.

Chloral Hydrate is slightly easier, duty-paid crystals offering at 8*s.* and cases at 7*s.* 6*d.*; to arrive, 6*s.* is quoted in bond.

Citric Acid.—The recent heavy export business to the United States (by which buyers have an advantage of fully 30 per cent. in the rate of exchange) has practically exhausted stocks in this market, and makers temporarily withdrew their quotations early in the week. Dealers offer limited quantities at from 4*s.* 9*d.* to 5*s.*

Cloves are dearer, with spot sales of fair Zanzibar at from 2*s.* 4*d.* to 2*s.* 6*d.* per lb. and April-June delivery at 2*s.* 7*d.*

Cocaine.—Hydrochloride has a firmer tendency, in view of the adverse Dutch rate of exchange, importers quoting 37*s.* 6*d.* per oz., and rather less for forward delivery.

Cocoa-butter is 2*d.* per lb. higher, English makers quoting prime at 2*s.* 6*d.* per lb. ex works.

Cod-liver Oil.—More demand has been shown lately, and rather lower prices have been quoted for Norwegian medicinal oil at round about 400*s.* to 410*s.* per barrel.

Copper Sulphate.—Export business is developing on a very fair scale with a continuous demand, partly for shipment to Mediterranean ports, and the industry is quietly improving. Liverpool f.o.b. terms are at around 50*l.* per ton in casks, less 5 per cent., and the same figure is wanted

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home farm use, in regard to which buyers are show-some interest for this season's needs.

ORIANDER-SEED is dearer at 21*s*. to 21*s*. 6*d*. per cwt. for OCCO.

REAM OF TARTAR.—One of the English makers is re-ed to have advanced his price to 300*s*. per cwt., but quotation has not yet been reached in the dealers' ket, where 290*s*. per cwt. is still quoted for 99 to per cent. powder and 265*s*. for 95 per cent. Rather er, but inadequate, supplies have come forward from nce and Italy.

UMIN-SEED is steady, with a good business reported at 6*d*. to 45*s*. per cwt. for fair to good sifted Morocco.

ILL-SEED is unchanged at 17*s*. per cwt. for East Indian.

ENNEL-SEED is quoted 35*s*. to 38*s*. 6*d*. per cwt. for inary to fair East Indian.

ENUGREEK-SEED is steady at 15*s*. 6*d*. to 16*s*. per cwt. for Morocco, according to quantity.

ORMALDEHYDE.—There seems to be nothing available he open market, and 280*s*. per cwt. may be considered ock-bottom price.

ORMIC ACID is in upward tendency owing to short ply, 80-per-cent. commercial offering at 120*l*. and 70-per-t. at 115*l*. per ton in barrels.

ALLIC ACID is rather dearer at from 7*s*. 3*d*. to 7*s*. 6*d*. lb. for pure crystals on the spot.

INGER continues firm, holders of good sound shed rough Cochin, which is scarce, asking 100*s*., and cels more or less wormy offer at 65*s*. to 75*s*. Japanese *s*. 6*d*. per cwt. higher, with spot sales at 65*s*. Jamaica still being exported to the United States, and the e for sound, of the lowest quality, appears to be *s*. per cwt. Small sales of Sierra Leone have been le in Liverpool at 60*s*. per cwt.

HELIOTROPIN is firm at from 30*s*. to 32*s*. 6*d*. per lb. the spot.

HEXAMINE is dearer at from 12*s*. to 12*s*. 6*d*. per lb. the spot, and may go still higher, as there is no easing the situation in methyl alcohol.

HONEY has a firm undertone, and the position appears be strong on its merits. Jamaica ranges from 90*s*. 110*s*. for dark to palish, Cuban at from 85*s*. to 100*s*., Australian 75*s*. per cwt.

HYDRASTIS is scarce on the spot at 37*s*. per lb.

INSECT-FLOWERS.—Arrivals of Dalmatian *via* Italy have en place valued at 720*l*., but they will not come on the en market.

IPECACUANHA.—There are buyers of Matto Grosso at ., but no first-hand sellers, and the market is still in ward tendency.

JALAP RESIN is firmer, makers quoting 30*s*., and powdered 31*s*. 6*d*. per lb.

KOLA.—Business has been done in African quarters in erpool at 5½*d*. per lb. ex store.

LEAD COMPOUNDS.—Aggressive manipulation having sed a renewed rise in raw material, the recent expecta-n of a downward revision in compounds is no longer ertained. Moreover, the position of white-lead is ected by the further rise in linseed oil, while deliveries e much behindhand. The leading American copper-oducing company recently erected a plant for making ite-lead at Chicago, and operations have been started st lately.

LITHOPONE.—It is still difficult to obtain supplies, owing delay in arrivals. The quotation is about 50*l*. per n c.i.f. for 30-per-cent. white in casks.

MENTHOL has been quiet, with small spot sales of bayashi-Suzuki at 72*s*. 6*d*. per lb., but on Wednesday ere were sales at 70*s*.

METHYL SULPHONAL is lower at from 47*s*. 6*d*. to 50*s*. r lb.

METOL is cheaper at about 35*s*. per lb. for 100 per cent., d metol substitute is about 25*s*. per lb.

MINT OIL is quiet, with spot sellers of Kobayashi-Suzuki 16*s*. 6*d*. per lb.

ORRIS is rather cheaper, fair Florentine sorts selling at *s*. per cwt.

OXALIC ACID is extremely scarce on the spot, and for rward delivery 2*s*. per lb. is quoted.

PHENACETIN has a firmer tendency at from 15*s*. 6*d*. to 16*s*. per lb. for spot supplies.

PHENAZONE is still scarce on the spot and in upward tendency at about 25*s*. per lb. Our New York cable reports an advance to $7.00.

PIMENTO is steady, with spot sales at 6¼*d*. per lb.

QUICKSILVER.—It is difficult to describe the state of the market, which, however, on the whole, seems dull. Demand is patchy, and tendency is uncertain, although further weakness has become manifest. Parcels of Italian are believed to be obtainable at 21*l*. to 21*l*. 10*s*. per bottle, although some second-hand parcels are held for 21*l*. 15*s*. The export demand is light. America has reduced the price to $85.00 per bottle, owing to the large arrivals from London, Mexico, and Italy.

QUININE.—The fall in the Dutch exchange is responsible for a further advance of 3*d*. per oz. in the price of quinine sulphate, the British Quinine Corporation's quotation in bulk being 4*s*. 1*d*. per oz. In the dealers' market, previous to the advance, sulphate had been selling at from 4*s*. 3*d*. to 4*s*. 6*d*. per oz., but nothing is now obtainable under 5*s*.

QUININE ETHYL CARBONATE is very scarce on the spot, and now worth 10*s*. per oz.

SACCHARIN has been in increasing demand. British make (550 pure) is quoted at from 132*s*. 6*d*. to 135*s*. per lb., duty paid. For export from 24*s*. to 26*s*. per lb. net in bond is quoted, according to quantity.

SALICYLATES.—Salicylic acid (B.P. powder) has a firm tendency, especially for early delivery, at from 3*s*. 6*d*. to 3*s*. 9*d*. per lb., with contract quantities offering at slightly less. Sodium salicylate powder is unchanged at from 4*s*. to 4*s*. 3*d*.

SANTONIN.—An advance of 6*l*. per kilo. is announced as from February 1, the quotation from the agents being 60*l*. per kilo. in lots of five kilos., and 58*l*. per kilo. in lots of ten kilos. The previous advance was announced in our issue of November 15 (p. 61). The position is dealt with editorially.

SHELLAC.—A further irregular decline has taken place amounting to about 15*s*. to 20*s*. on the spot, sellers on Tuesday quoting usual standard TN Orange quality at 850*s*., but on Wednesday there was a recovery to 860*s*. AC cakey has declined by 50*s*. to 600*s*., and GAL by 50*s*. to 580*s*. Futures have been irregular and lower, the sales including May delivery at 700*s*. to 680*s*. to 780*s*., these figures showing a decline of about 120*s*. to 130*s*. on the highest of the previous week. To arrive, March-April shipment, the sales include TN at 630*s*. c.i.f. At auction 227 packages sold without reserve at irregular prices, comprising 15 cases TN at 665*s*. to 675*s*. for dark blocky, and 213 bags ordinary blocky TN at 685*s*. to 715*s*. to 740*s*., matted to blocky bronze, 667*s*. 6*d*. to 745*s*.; 62 cases cakey to blocky GAL Garnet sold at 545*s*. to 580*s*.

The landings of Orange, Garnet, and Button during January were 2,356 cases and deliveries 5,737 cases, leaving a stock of 11,084 cases against 20,665 cases in 1919 and 23,858 cases in 1918.

SODA NITRITE, owing to scarcity and the delay in arrivals, is dearer at about 68*l*. per ton for 96 to 98 per cent.

SODA PHOSPHATE is firmer, commercial crystals (97 to 100 per cent.) offering at 40*l*. per ton in casks and bags.

SODA SULPHIDE is scarce and in light supply, 30 to 32 per cent. crystals offering at 17*l*. per ton, and solid 60 to 62 per cent. at 33*l*. per ton in casks.

SUGAR.—The advance in the fixed rates of manufacturing kinds, and in the "reasonable" maximum selling price of free sugar, announced last week, has led to a corresponding rise in preparations containing sugar, such as syrups, compound liquorice-powder, lozenges, candy, effervescing preparations, etc.

SULPHONAL is about 2*s*. 6*d*. per lb. cheaper, importers offering at from 47*s*. 6*d*. to 48*s*. 6*d*. per lb.

SULPHUR.—Sicilian flowers offer at 29*l*. 10*s*. per ton on the spot, and roll at 27*l*. 10*s*.

TARTARIC ACID.—Crystals still appear to be unobtainable on the spot, but powder, which is not in demand, can be obtained at 3*s*. 5*d*. per lb., less 5 per cent.

THEOBROMINE.—The unfavourable Dutch exchange has led to a rise in the pure, importers asking 65*s*. per lb.

Turpentine shows an advance of about 13*s.* 6*d.* per cwt. on the spot, a good business having been done at from 190*s.* to 203*s.* 6*d.* for American on the spot.

Vanillin.—The twopenny rise in cloves has led the cheapest sellers to advance prices by 2*s.* per lb. to 79*s.*, from which quotations range up to 82*s.* 6*d.* American makers are quoting 90c. to $1.00 per oz., equal to about 96*s.* per lb. laid down here.

Wax, Vegetable, is firm, with spot sales at 97*s.* 6*d.* to 98*s.* per cwt., sellers quoting 99*s.*

Essential Oils Market.

In the essential oil industry there is evidence of a general feeling of expectancy in two directions—that supplies are likely to be still smaller, and prices correspondingly higher. From primary sources we hear of prices fluctuating so frequently that accurate quotations are extremely difficult to give. No doubt the coal shortage in France, the conditions of transport, and rates of exchange are to be reckoned among the primary causes of small supplies, but it is probable that, in some directions, holders are retaining stocks, confident of the further rise in value that, in their opinion, is bound to come.

Anise, Star.—Although the nominal spot value of "Red Ship" brand is 5*s.* 9*d.*, business has been done at slightly less.

Bay.—West Indian appears to be obtainable in small parcels only at about 25*s.* per lb.

Bergamot.—Dealers in the U.S.A. are said to be willing to pay topmost prices. On the spot from 25*s.* 6*d.* to 28*s.* 6*d.*, varying as to percentage of linalyl acetate, is being asked, and 26*s.* c.i.f. to come forward.

Cajuput is quoted at 4*s.* to 4*s.* 3*d.* per lb., as to quantity.

Cananga is firm at from 25*s.* to 26*s.*

Caraway is easier on the spot at 13*s.* for crude and 14*s.* rectified (0.910). For forward delivery 1*s.* less on these prices is quoted.

Cassia is steady on the spot at 9*s.* 3*d.* per lb. for 80 to 85 per cent. c.a.

Cedarwood is higher at 3*s.* 3*d.* to 3*s.* 6*d.* on the spot.

Citronella is firmer, with an upward tendency. Java is quoted at 5*s.* 1½*d.* to 5*s.* 3*d.*, and Ceylon from 2*s.* 9*d.* to 3*s.*

Clove is steady at 20*s.* per lb. for English distilled.

Coriander.—There is little on offer, 22*s.* 6*d.* being asked in one direction.

Eucalyptus.—B.P. is in good demand at 3*s.* 6*d.* per lb. *Citriodora* is almost off the market, and about 20*s.* is being asked.

Geranium.—Algerian is quoted at the higher price of 40*s.* per lb., Bourbon at 37*s.* French is practically unobtainable.

Gingergrass is higher at 15*s.* for the "insoluble" variety.

Juniper-berry (B.P.).—For forward delivery 17*s.* per lb. is quoted in one direction.

Lavender.—A good demand prevails for the cheaper French oils, offering at from 43*s.* to 50*s.*, and an upward tendency at the source is reported. In one direction 60*s.* is being asked for finest French containing 45 per cent. esters.

Lemon.—Spot prices vary from 9*s.* to 9*s.* 6*d.* per lb. ex wharf London, and for prompt shipment from 9*s.* 6*d.* to 9*s.* 7*d.* c.i.f. is quoted.

Lemongrass is dearer, with spot sales of Cochin at from 11*d.* to 1*s.* per oz.

Lime.—Supplies of West Indian distilled are now much depleted on the spot, and up to 7*s.* per lb. has been paid for American account.

Linaloe (Mexican).—The wood variety is unobtainable on the spot; for forward delivery 35*s.* is being asked.

Mandarin is scarce at 60*s.* to 65*s.* per lb.

Neroli.—For pure French 40*s.* per oz. is quoted, and in one direction as much as 20*s.* for Sicilian. This latter, however, can be obtained in another direction at 110*s.* per lb. in 1-lb. and 2-lb. lots, guaranteed pure.

Orange.—Sicilian is quoted to arrive at 29*s.* to 30*s.* per lb. c.i.f. for the sweet. Spot prices for bitter and sweet are 29*s.* to 30*s.* West Indian is offered at 30*s.*

Peppermint.—American tin oil is steady at 48*s.* to 50*s.* Prices for French and Italian vary from 37*s.* 6*d.* to 55*s.* An oil emanating from Germany (probably a Saxon distillate), and stated on the certificate of a well-known analyst to contain 58 per cent. menthol, and to be superior to American oil, is, subject to market fluctuations, offering at 37*s.* 6*d.*

Pennyroyal.—There is a good demand, and the price is firmer at from 8*s.* to 8*s.* 6*d.* per oz.

Petitgrain is firmer at 45*s.* per oz. for French and 21*s.* for Paraguayan.

Pine.—Siberian, *Abies sibirica*, is still off the market, but American is quoted at 8*s.* 6*d.* to 9*s.* per lb.

Rosemary.—There seems to be little if any French available, and for Spanish 5*s.* to 6*s.* is being asked. For forward delivery 5*s.* 3*d.* is quoted.

Spike Lavender.—Spanish is offering at about 13*s.* 6*d.* to 15*s.* on the spot, forward 15*s.* 6*d.* to 16*s.*, and French 16*s.*

Thyme, 30 to 35 per cent. of phenol content, is offering for forward delivery at about 11*s.* per lb. and 45 per cent. at 13*s.* 3*d.* Spanish oil has a decided upward tendency. Spot prices are somewhat cheaper, but the oil is scarce at present.

Vetivert is steady at 50*s.* per lb. for Bourbon and 65*s.* for Java.

Wintergreen.—Genuine is steady at 42*s.*

German Drug and Chemical Markets.

The market report of a well-known Hamburg drug house for the second half of January begins by stating that since the publication of their last report the word "Peace," so far as it applies to outside matters, has made its appearance silently, without any ringing of bells or sounding of trumpets, and with the exception of the joy experienced at the delivery, at last, of the German prisoners, there could be no other demonstrations of joy. "Peace at home is still absent. As business men, it falls to our lot to assist in bringing about peace with the outer world—*viz.*, with our former enemies. As far as we can judge, we are able to note that apparently Italy is the country which seems to be forgetting the most easily, and it has every reason to adopt this attitude; without exception, Italy wishes to resume business relations with us. There is a divergence of views among Englishmen. On the other hand, the Frenchman is the least favourably disposed towards us. America, the typical 'land of business,' is already dealing with us. The other countries give us the preference on account of our cheap goods." "The problem of the exchange still remains unsolved, and even the Commission sitting in Berlin to study this question has been unable to prescribe anything else than 'work.' Prices are advancing in conjunction with increased taxation and costs, as will be apparent from the following prices, which are without engagement." Prices are quoted in marks for 1 kilo.:

Acetic Acid (80 per cent.), in consequence of a sudden quick demand for large quantities, which cannot be supplied, has advanced to m.9.50, tax included, exclusive of container, and is scarce.

Ammonium Bromide is very firm at m.56.

Antipyrin and Antipyrin Substitute have become scarce.

Aspirin and Aspirin Substitute are offered in small amounts.

Benzaldehyde, almost free from chlorine, for feodstuffs, is scarce at m.105 owing to considerable demand and very meagre supplies.

Benzoic Acid is scarce, and has advanced to m.69.

Caffeine (Pure) has been exported under licence, and to-day, in spite of increased prices, is more in demand than when it could be had at a very much lower price. Quotation on demand. It is offered at m.550 to m.575.

Citric Acid is very scarce indeed. Makers are practically without stocks, and supplies from abroad are difficult to obtain. Quoted at m.110, and a further increase is likely.

Coumarin has recently been purchased by foreign dealers at m.550.

Cream of Tartar (99 to 100 per cent.) is very firm at m.42.50, in sympathy with the price for tartaric acid. Another quotes m.52.50 to m.51.

Glycerin is in demand, but difficult to obtain.

Guaiacol Carbonate is scarce at m.470.

Heliotropin is in demand both by home and foreign buyers, and as much as m.650 has been paid.

Iodine Preparations are especially scarce. Potassium iodide, m.500; sodium iodide, m.500; iodoform, m.500; iodine resubl., m.600.

Ipecacuanha-root.—Genuine Rio fetched m.425 net; and stocks are practically cleared.

Menthol Cryst.—In spite of the high price of m.1,500 due mainly to its scarcity, apart from the higher cost price, it is in demand, and there are no stocks available. Kobayashi, and also Suzuki, in small amounts have fetched as much as m.1,850.

Phenacetin is available in sufficient quantities at m.345.

Phenolphthalein has been in demand at m.245.

Potassium Bromide is in demand by foreign buyers, and is quoted in London at about m.90. Supplies for immediate delivery offered at m.65.

Potassium Permanganate is scarce at m.66.

Potassium Sulphoguaicolate has advanced to m.295, and is scarce.

Pyramidon.—Genuine is scarce, and is quoted at m.750. Pyramidon substitute is quoted at m.650.

Resorcin has changed hands at m.400.

Arrivals of Drugs, Chemicals, and Allied Produce.

ollowing products have arr ved at the ports named :

London

ary 13 to 19).
, (Hamb.) 80
(Antw.) 800
(R'dam) 55 cks.
black (N.Y.),
s.
Aust.), 764 bgs.
l products, etc.:
described,
e.) 46 brls.,
oil.) 7 cs., (U.S.)
kgs. (Belg.) 20
s. 23 cs.
(It.), 409 bgs.
ic, (Hamb.) 100
., (Antw.) 40
.
ides : (N.Y.) 4
(R'dam) 229
gs. ; sod., 16
(Swe.) potash,
s., soda, 10 cs.,
ntw.) potash, 9
cit., (W.I.) 142
s. 8 hhds. 14
., (It.) 86 cks.
tart. (Gre.), 100
olic acid (Holl.),
pkgs.
er iodide (Jv.),
brls.
er sulph. (Alex.)
brls.
ote (Swe.) 30 cs,
acid (Belg.),
cks.
mine (N.Y.), 50
oquinone (New
rk) 10 cs.
formaldehyde
Y.), 22 cs.
h, caustic
oll.), 90 drms.
h, salts (Holl.),
pkgs. 41 cks.,
ur.) 1,785 bgs.,
ph.) 1,053 bgs.
ne (Jv.), 450 cs.
ash (E. Af.), 20
s.
hyposulph.
Y.), 12 brls.
perox. (Norw.),
cs.
pruss. (Antw.),
cks.
silicate (N.Y.),
rls.
m (Jv.) 59
ns.
ic acid (Holl.),
gs.
ic acid (U.S.), 32
s.
r, (Fr.) 49 cks.
bgs., (It.) 118
., (Sic.) 36 cks.,
.) 45 cks.
ric acid, (It.),
brls., (Sic.) 100
.
oxide (N.Y.),
50 brls.
crude, etc. :
ves (Fr.), 22
. ; herbs (It.),
cs. ; roots,
.) 11 bls.,(Holl.)
bls.
(Tuticor.), 16
oin, (S'pore)
cs.
nba (Cey.) 195
., (Zan.), 254
s.
gra (N.Y.), 52
s.
amoms,(Calicut)
cs., (Cey.) 108
, (B'bay) 256
, (Tuticor.) 42
gs.
ra (Portland),
bgs.

Cod-liver oil,(R'dam) 50 cs., (Bergen) 275 brls.
Cuttlefish bone (B'bay), 93 bls.
Elderberries (Fr.), 22 bls.
Galls (Smyr.), 54 bgs. 110 sks.
Gamboge (S'pore), 40 cs.
Gentian (It.), 7 bgs.
Henna, (Alex.) 20 bgs. 307 bls., (P. Said) 380 bgs.
Juniper berries (It.), 20 bgs.
Kola, (Cey.) 150 bgs., (Jv.) 170 bgs.
Lavender flowers (Fr.), 31 bls.
Liquorice juice (Fr.), 79 cs.
Liquorice paste (Smyr.), 250 cs.
Liquorice root, (Fr.) 18 bls., (Patras) 83 bls.
Manna (Sic), 8 cs.
Mannite (Sic.), 35 cks.
Menthol (N.Y.),10 cs.
Myrrh (Aden.), 48 cs.
Nux vomica (E.I.), 86 bls.
Opium, (B'bay) 10 cs., (Tky.) 125 cs.
Orris (It.), 202 bgs.
Quillaia (Malmo), 21 bls.
Senna (Tinn.), 512 bls.
Squills, (Malta) 31 bgs., (Sic.) 65 bgs.
Tamarinds (Cal.), 861 pkgs.
Turmeric (E.I.), 109 bls.

Drugs, medicines, etc. : (St. John, N.B.) 48 cs. (N.Y.) 184 cs., (Fr.) 26 cs. ; asthma cure (Holl.), 35 cs. ; bovinine (N.Y.), 384 cs. ; emulsion (U.S.), 2,520 bxs. ; glycothymoliue (N.Y.), 1,000 bxs. ; listerine (N.Y.), 420 cs. ; malted milk (N.Y.), 1,300 pkgs. ; vaseline (N.Y.), 926 cs.

Dyes, dyeing and tanning materials, etc. : dyes (Amst.), 11 brls. ; aniline, (Sp.) 4 drms., (Belg.) 84 pkgs. ; aniline dyes (U.S.) 36 brls. ; dividivi (E.I.) 334 bls. ; gambier (Jv.), 3,230 cs. ; myrabolans (E.I.), 2,513 bgs. 5,982 pockets 7,381 pkgs. 907 bls. ; sumac (Sic.), 1,300 bgs. ; valonea (Tky.), 16,126 bgs. 1,536 sks. 295 tons

Egg products : (Ch.) albumen, 676 cs. ; whole 4 cs. ; yolk, 619 pkgs. 391 cks. 181 cs. 101 brls., (Denm.) 125 cs.

Glucose, (N.Y.) 602 brls., (Fr.) 467 csks.

Gums, resins, etc. : gum not described, (Zan.) 75 cs., (B'bay) 528 bgs., (Belg.) 435 bgs., (Alex.) 9 bgs., (Holl.) 50 chts. ; acacia (B'bay), 52 bgs. ; copal, (S'pore) 50 cs. (Zan.) 80 cs., (Macassar) 373 bgs. 4,830 bskts. 233 cs. 339 pkgs., (Jv.) 396 bskts. ; damar, (Macassar) 592 bskts. 58 bgs., (Jv.) 400 cs. 1142 bgs. ; elemi (Manila), 367 cs. ; ghatti (Fr.), 11 cs. ; karaya, gum (B'bay), 76 bgs. ; lac : (garnet) (Cal.), 100 cs. ; (shell) (Cal.), 538 bgs. ; mastic (Gre.), 40 cs. ; tragacanth (B'bay), 549 pkgs.

Honey, (W.I.) 13 cs., (N.Y.) 239 brls. 5 crts.

Hops, (Holl.) 63 bls., (St. John, N.B.) 843 bls., (Calif.) 1,229 bls., (Denm.) 50 bls., (Belg.) 1,535 bls. 316 pkgs., (Germ.) 1,664 bls., (Holl.) 30 bls., (U.S.) 892 bls.

Isinglass (W.I.), 3 brls.

Lead, white, (It.) 52 brls., (St. John, N.B.) 136 cks., (U.S.) 80 kgs., (Antw.) 55 brls.

Lime-juice (W.I.), 396 cks. 125 puns. 25 drms. 9 hhds. 14 cs.

Litharge (St. John, N.B.), 23 brls.

Lithopone, (N.Y.) 6 brls. 160 cks., (Hamb.) 80 cks., (R'dam) 292 cks.

Mercury (It.), 250 bottles

Mineral white (It.), 200 bgs.

Molasses (W.I.), 3,640 cks

Oils, essential : (B'bay) 5 cs., (N.Y.) 10 cs. 5 drms., (Holl.) 31 cs., (It.) 7 pkgs. 5 cs. 40 × ½ cs., (Natal) 4 cs. 5 cks. ; bay (W.I.), 3 cs. ; cinnamon (Cey.), 46 cs. ; cinnam. leaf (Cey.), 50 cs. ; citronella (E.I.), 39 drms. ; eucalyptus (E.I.), 149 cs. ; lemon, (Sic.) 2 cs., (It.) 69 × ½ cs. ; lemongrass (Cochin), 24 drms. 25 cs. ; lime (W.I.), 88 cs. 20 × ½ cs. 10 cbys. 11 drms. ; orange (W.I.), 3 pkgs. ; otto, rose (Smyr.), 2 cs., turpentine (Norw.); 98 brls.

Oils, fixed : coconut, (E.I.) 1,383 pps. 1,256 cks. 7,269 cs. 74 pns. 33 hhds. 873 pkgs., (R'dam) 103 brls. ; fish, (W.I.) 10 cks., (Jp.) 7 pkgs. ; ground-nut, (R'goon) 3,112 cs., (Jp.) 9 cs. ; hardened, (R'dam) 111 brls., (Jp.) 976 brls. 1,510 cs. ; herring (Norw.), 30 cks. ; lin, (Holl.) 227 brls., (Antw.) 688 brls. 50 cks. ; olive, (Fr.) 87 brls. 52 cs. 63 cks., (Antw.) 50 cs. ; rape (Jp.), 392 cs. ; soya, (R'dam) 1,217 brls., (Jp.) 3,059 cs., (Ch.) 255 brls. 1,450 cs. ; tea (Ch.), 800 cs. ; whale. (Cape) 500 drms., (Azores) 14 brls.

Seeds : almonds, 448 bgs. 957 pkgs. 240 cs. ; annatto (Jv.), 40 bgs. ; apricot kern., (Sp.) 90 bgs., (Calif.) 100 bls. ; caraway (Holl.), 75 bgs. 100 bls. ; cashew (B'bay), 90 cs. ; copra, (Zan.) 1,000 bgs., (Cey.) 1,881 bgs., (W.I.) 680 bgs., (E.I.) 6,782 bgs. ; cottou, (Alex) 3,078 tons, 800,000 kilos., (E. Af.) 2,779 bgs., (Antw.) 8,888 bgs. ; cumin (Malta), 14 bgs. ; dari (Smyr.), 302 bgs. ; groundnuts, (Zan.) 200 bgs., (Jv.) 1,457 bgs., (Ch.) 672 bgs. ; jamba (Antw.) 3,432 bgs. ; lin, (Ch.) 1,300 bgs., (E.I.) 10,002 bgs., (Antw.) 3,077 bgs., (Tky.) 154 bgs. ; millet (Fr.) 694 bgs., (Smyr.) 205 bgs. ; mustard (Hamb.), 873 bgs. ; rape (Ch.), 384 bgs. ; soapnuts (E.I.), 100 bgs. 168 bls.

Spermaceti, (U.S.) 100 brls., (Jp.) 2,200 cs.

Spices : chillies (Zan.), 47 bls. ; cinnamon, (Cey.) 1,064 bls. 100 cs. (Galle) 947 bls., (Suez) 127 bls. ; cloves, (S'pore) 28 cs., (Zan.) 8 235 bls., (B'bay) 537 bls., (Suez) 216 bgs. ; (stems), 4,883 bls. ; ginger (E.I.), 123 bls. ; mace, (Jv.) 4 pkgs., (S'pore) 168 cs. ; nutmegs, (Bombay) 16 cs. (Jv.) 3 pkgs., (S'pore) 504 bgs. ; pepper (E.I.), 9,134 bgs. 40 pkgs.

Starches, etc. : dextrin (N.Y.), 480 bgs. 10 bls. ; farina, (Jp.) 3,460 bgs., (Antw.) 850 bgs. ; maize (N.Y.), 2,500 cs. ; rice (Antw.), 2,000 cs. ; wheat (Jp.), 1,400 bgs.

Talc (Holl.), 100 bgs.

Vanilla, (Fr.) 4 cs., (Cev.) 24 pkgs., (Natal), 11 cs.

Waxes : not described, (S'pore) 800 bgs., (Fr.) 3 cs. 887 bgs., (Hamb.) 210 bgs. ; bees', (E. Af.) 260 bgs. 628 pkgs. 18 blocks, (Cal.) 68 cs., (Aden) 33 bls. ; paraffin, (U.S.) 204 bgs. 512 brls., (Cal.) 4,534 bgs., (Holl.) 288 bgs.

Liverpool

(January 12 to 17).

Barytes (R'dam), 322 cks.

Chemical products,etc.: Argol (Fr.), 580 bgs. Calc. acet. (U.S.), 4,290 bgs. Calc. tart. (Fr.), 92 bgs. Heliotropin (N.Y.), 7 cs. Iodine (Fr.), 4 cs. Potash (R'dam), 22 brls. Potash, caustic (R'dam), 164 drms. Potash salts (R'dam), 4,238 bgs. Soda nit. (Chile), 11,256 bgs. Tartar (Fr.), 183 bgs. 72 cks. Tartaric acid (R'dam), 8 cks. Zinc oxide (R'dam), 50 cks.

Drugs, crude, etc. : (N.Y.), 106 pkgs. Asafetida (B'bay), 13 cs. Cinchona (Manaos), 43 bgs. Cod-liver oil (St. Johns, N.F.), 445 brls. 21 cks. Kola (W. Af.), 14 bgs. Podophyllum (Cal.), 20 bls. Quillaia (Valpar.), 485 bls. Tonka beans (Para), 5 cs. Turmeric (E.I.), 200 bgs.

Drugs, medicines, etc. : (Denm.), 13 pkgs.

Dyes, dyeing and tanning materials, etc. : cochineal (Canar. Is.) 12 bgs. 15 sks. ; cutch (R'goon), 600 bxs.*t*; extract, tanning (U.S.), 150 brls.; myrabolans (E.I.), 22,376 pockets 1,597 bgs. 6,127 pkg., (crushed) 520 bgs ; (extract) 1,640 bgs. ; quebracho ext. (S. Amer.) 820 bgs. ; saffron (Valen.), 5 cs.

Gums, resins, etc. : not described (E.I.) 140 bgs. ; resin. (Fr.) 1,620 cks., (Sp.) 48 brls.

Honey (S. Amer.), 176 brls.

Isinglass (Braz.), 12 bgs.

Lead, white (St. John, N.B.), 74 kgs.

Lithopone (R'dam), 302 cks.

Molasses (W.I.), 4,722 brls.

Oils, essential : citronella (B'bay), 10 drms. ; pine (U.S.), 25 drms.

Oils, fixed : coconut (R'dam) (acid) 3,802 brls. 200 cks. ; cod (St. John's, N.F.), 449 cks. ; ground-nut (R'goon), 3,862 cs. ; olive, (R'dam) 299 brls., (Sp.) 15 cs. 12 × ½ pps. ; palm (W. Af.), 516 cks. ; seal (St. John's, N.F.), 23 cks.

Seeds cotton, (E.I.) 125,079 bgs., (S. Amer.) 8,044 bgs. 1,135 sks. (E. Af.) 4,812 bgs.; lin (E.I.), 10,150 bgs. ; millet (E.I.), 250 bgs. ; palm (W. Af.), 66,920 bgs.

Spices : cassia (B'bay) 25 cs. ; ginger (Bombay), 225 bgs. ; pepper (E I.), 14 bgs.

Starches, etc. : farina (Para), 430 bdls. ; maize (R'dam), 900 cs.

Waxes : not described (R'dam), 118 bls. ; bees', (W. Af.) 10 bgs., (S. Amer.) 67 sks. ; paraffin, (U.S.) 250 brls., (R'goon) 3,600 bgs.

Goole

(January 9 to 15).

Farina (Holl.), 600 bgs.; magnes. chlor. (Holl.), 251 cks. ; potash, caustic (Holl.), 39 drms.

Grimsby

(January 12).

Dyes (Antw.), 375 cks.

Hull

(January 10 to 16).

Barytes (Hamb.), 101 cks. ; caraway seed (Amst.), 10 bls. ; copal (Antw.), 3,076 bgs. ; formic acid (Holl.) 129 cbys. ; lead, white (U.S.), 25 brls. ; linseed oil (Antw.), 119 brls. ; lithopone (R'dam), 302 cks. 160 cs. ; olibanum (Abo.), 82 cs. ; olive oil (Swe.), 24 brls. ; palm oil (Antw.), 819 brls. ; pot. caustic (R'dam), 115 drms. ; potash salts (kainit) (R'dam), 547 tons. Seeds : mustard (Holl.) 103 bgs. ; palm kern. (Antw.), 297 bgs.

Manchester

(January 13 to 16).

Acetic acid (N.Y.), 238 brls. ; aniline dyes (Antw.), 121 cks. ; carbon black (N.Y.), 525 cs. ; farina (Antw.), 320 bgs. ; formaldehyde (New York), 705 brls. ; glucose (N.Y.), 940 brls. 1,525 kgs. ; grindelia (N.Y.), 35 bls. ; lead acet. (N.Y.), 115 brls., (Antw.) 100 cks. ; methyl violet (N.Y.), 69 pkgs. ; soda bic. (N.Y.), 70 cs. ; starch maize (N.Y.), 17,854 bgs. ; tannic acid (N.Y.), 10 cs. ; yerba santa (N.Y.), 20 bls. ; zinc oxide (Antw.), 180 bls.

Newhaven

(January 10 to 15).

Chemicals (Fr.), 6 pkgs. ; drugs (Fr.), 12 pkgs. ; essential oils (Fr.), 21 cs. ; wax, not described (Fr.), 14 cs.

GERMANY'S STOCKS OF DYES.—"I may not give you the figures, but as reported to us by the Germans themselves, there are big stocks of dyes ready-made and waiting for sale."—*Charles H. MacDowell, an American member of the Reparation Commission's Sub-Committee on Germany.*—"The German dye-manufacturers' plants are even greater than before the war, the *personnel* of those plants is practically intact, large stores of material are accumulated, and they are determined to again stifle American competition."—*Dr. Charles H. Herty, special representative of the U.S. Government to negotiate for German vat dyes for American manufacturers.*

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Medicinal Spirit Duty Rebate.

Sir,—In the *C. & D.*, January 24, p. 73, Mr. A. Thomas gives a list, as issued by our company, of preparations upon which rebate of duty is not allowed. Two preparations are, however, included which do not appear in the list issued by us on June 2, 1919. Tr. cudbear is now allowed for rebate, and syr. rub. idæi should not have been included in the list at all.—Yours faithfully,

Evans Sons Lescher & Webb, Ltd.
T. Edward Lescher, Director.

The Grey Powders Case.

Sir,—In some press reports concerning the grey powder case (*C. & D.*, January 31, p. 72), and also according to the doctor's evidence for the prosecution, it seems to be inferred that these powders were supplied on a doctor's prescription. But it was not so; the messenger from the city inspector, a lad, who, according to my assistant, asked for them verbally, did not seem to know what he did want, only that they were required for children, so my assistant, a man of many years' experience, gave him what are commonly known in this district as grey powders for children—safe and sure—as hyd. c. creta is never supplied here without a prescription. I have had a chat with several chemists lately, and they would like a discussion on the matter, to know what to do in the future. When grey powders are asked for must hyd. c. creta be supplied as it is, or is it permissible to add sacch. lact., pulv. rhei., etc.? Would that satisfy the analyst? It must be mixed with something for very young children, and long explanations to customers, often young children, regarding the additions, only cause confusion.

Yours faithfully,
Exeter. W. F. Pearce.

Chemists' Retail Price Lists.

Sir,—In reply to the letter of Messrs. Bevan & Stooke (*C. & D.*, January 31, p. 94) regarding the suggested discrepancy in Philip's "Standard" List, I fail to see their argument with regard to unpleasant results in these profiteering days. Most chemists make their ess. menth. pip., and if they cannot produce an invoice of its cost, most likely they will be asked to show its cost. I take it that Philip's sp. menth. pip. price is to be used in dispensing, and his ess. menth. pip. price is for that sold over the counter, where we are in open competition with other traders, who can trade on lower profits than chemists, and moreover may not make their essence wholly with rectified spirit. Further Philip's list was not brought out to meet charges under the Profiteering Act—incidentally it is the best defence as far as lists go—but was a godsend to many of us in the early days of the war, giving a fair and reasonable profit to the chemist and a fair and reasonable price to the purchaser. I consider that a profit of 33 per cent. on essences which can be purchased from others besides chemists, is quite a reasonable profit, and one that Tribunals are not likely to take objection to.

Yours truly,
Melksham. Ernest Hughes.

Sir,—Replying to Messrs. Bevan & Stooke's suggested discrepancy in Philip's "Standard" Retail List, we take it that they consider the prices for ess. menth. pip. are too low, both cost and retail. Mr. Philip apparently takes a drug-house cost for sp. menth. pip., as it is genuinely a drug for dispensing, but we see no reason why Mr. Philip should bind himself to one list for cost, so long as he gives a reasonable cost. In his preface he indicates that he does not adhere to one list for cost, and no doubt he has to approximate many prices himself, such as lotio. carbol., which would be listed. As most chemists make their own ess. me pip. I think Mr. Philip has acted wisely in apply a little less cost to this article, and I presume sp. me pip. has only been included at wholesale list cost so a better profit may be obtained when dispensed.

Yours faithfully,
Barnet. W. Parry-Jones & C

More Burdens.

Sir,—The letters in your last issue concerning "M Burdens" are not only of interest, but of the utm importance to the retail trade. To surcharge the reta 1½ per cent. is in my opinion unjust, as it means only paying the extra cost of carriage, but practic the whole cost.

Mr. Jones asks, are we going to take it with protest? Well, I do not think so. I have before an invoice: Goods 11½*d.*, postage 1½*d.*, "charge" in what sense can the charge be justified? I have g into a number of prices as they were and compared t with what prevail to-day, and conclude that, assum that the wholesaler obtains the same percentage on advanced prices as formerly, his gross profit is increa by the percentage he obtains on the amount of incr in the price of the article, whereas the retailers' pr is reduced by the whole amount of the increase—*e.g* proprietary article formerly costing 12*s.* per dozen retailed at 1*s.* 3*d.* each upon being advanced to 13*s.* dozen benefits the wholesale distributor, but reduces retailers' profit by a third. The most recent illustrat of the "cats'-paw" treatment to which we are subjec reached me a few days ago in connection with the adva in price (second since 1914) of a non-stamped proprieta a comparison of the original and the present prices serve to emphasise the injustice of the surcharge:

1914			1920		
Cost	Retail	Profit	Cost	Retail	Pro
10*d.*	1*s.*	2*d.*	1*s.* 1*d.*	1*s.* 3*d.*	2
1*s.* 5*d.*	1*s.* 8*d.*	3*d.*	1*s.* 9*d.*	2*s.*	3
2*s.* 6*d.*	2*s.* 11*d.*	5*d.*	3*s.* 4*d.*	3*s.* 9*d.*	5

Unless we present, through our local associations and t "federations," a firm protest I fear we shall be invit the infliction of further burdens.

Yours truly,
Ipswich. G. N. Edwards

Fairer Medicine-stamp Duties.

Sir,—I enclose suggested medicine-stamp dut which I think would be fair to the trade, in place what we now have to put up with. It would give manufacturers a chance to regulate their profits for wholesalers and retailers on a better basis. Nobody w object to the suggested duties, especially when they an even rate of duty for the different values.

Yours faithfully,
South Croydon. S. A. Nobl

Present Duties.				*Suggested Duties.*			
Value			Duty	Value			D
1/- or under			7/3 = $\frac{3}{12}$	7½*d.* or under			1½*d*
Exceeding				Exceeding			
1/- and not over		2/6	6*d.* = $\frac{1}{2}$	7½*d.* and not over		1/3	3*d*
2/6	,,	4/-	1/- = $\frac{1}{4}$	1/3	,,	2/6	6*d*
4/-	,,	10/-	2/- = $\frac{1}{5}$	2/6	,,	5/-	1/
10/-	,,	20/-	4/- = $\frac{1}{6}$	5/-	,,	10/-	2/
20/-	,,	30/-	6/- = $\frac{1}{5}$	10/-	,,	20/-	4/
30/-	,,	50/-	£1 = $\frac{2}{5}$	20/-	,,	30/-	6/
50/-	...	...	£2	30/-	,,	50/-	£1
				50/-	,,	100/-	£2
				100/-	...	...	£4

Homœopathy.

Sir,—"Xrayser II.," in referring to our comment your Retrospect paragraph regarding homœopathy, for figures by which to judge of the position of hom pathy to-day as compared with that of 1870, and then re to the number of medical men who accepted the trut Hahnemann's doctrines. We regret that we have not t figures, but if we had it would have no bearing, or little, on the point regarding the advance in hom pathy to which we referred; and here we draw a lin

n between that kind of advance and the kind other countries, such as America, where, we they have something like 5,000 medical men ractising homœopathy. Why? Because they eir own homœopathic colleges and can grant , so that a man can qualify and practise exactly ame footing as those whom it is customary to the "orthodox." We think it will be agreed American cousins generally seize on a good thing. country a student must go through all the ox" curriculum, take his degree, and then, if es to practise homœopathy, must commence his again in that direction. That is the great g-block here to the open practice of our sys-, on the other hand, there is a great amount of ich we may call surreptitious homœopathy, and ort of this statement we append the names of our medicines, culled from a well-known "ortho-holesale drug-list now before us, *viz.*: Tincture nis, æsculus, agaricus, alstonia, anacardium, m, baptisia, bryonia, cactus, calendula, caulo-, collinsonia, drosera, dulcamara, lycopodium, cca, pulsatilla, rhus arom., rhus glabra, rhus uja, verbascum, etc. These medicines were intro-y homœopathy, and thus the demand for them ve been increased by the advance of that system cine. Another striking instance in support of our t is the fact that we have at the present time an om a foreign doctor for 1,000 bottles of a par-homœopathic medicine which he has proved to be us in a certain ailment, and he also advises us of ite order for no less than 55,000 bottles of medicines to be got ready for him. Surely this s advance. Before leaving this subject we can-l refrain from indulging in the self-gratifying, beaten colloquialism, "though we say it as 't," he stipulates they must all be Leath & Ross's.

Yours faithfully,

LEATH & ROSS.

Examination Reform Wanted.

—Will you allow me to make a few comments on r which is in need of immediate and drastic re-on? I refer to the Pharmaceutical Qualifying ation. To the average individual, who exercises common sense and sound reasoning, this examina-obviously a ghastly farce. When one takes into ration the great importance of pharmaceutical n this country, one may regard it as nothing less scandal. It would be interesting to know why the aceutical Society insists on conducting an oral ex-ion when a written one (which is recognised ally as a fair method of testing the knowledge of ent) can be substituted, and would be far more ctory to the candidates concerned. To many ts the entrance-fee to the examination is a great ration, and when the various sums of money have aid again and again, the resources of the individuals ed are taxed to a very large extent. Is it a fact ery few candidates are successful on their first ance before the Board of Examiners, no matter how hey have studied, and how efficient they are? If not this significant? Furthermore, the students scouraged rather than encouraged by some of the ners. The duty of an examiner is to ascertain er a candidate has reached a certain standard of ment, and not to pass facetious remarks about the f school he has attended, or the capabilities of the ers under whom he has received instruction. would it not be reasonable to inform a candidate e subjects which he has passed successfully or un-sfully—for his future guidance? Some of the ex-rs themselves do this. What of the others? Will ounger generation of pharmacists allow the present of affairs to continue indefinitely? It is to the st of all concerned that this examination be carried y independent examiners selected, not by the Phar-tical Society, but by some Government Depart-

Yours truly,

AN INTERESTED ONLOOKER. (159/2.)

Legal Queries.

W. F. (163/2).—The concession by which chemists may sell quantities of not more than 8 oz. of rectified spirit to scientists is still in force.

Qualified Chemist (160/16) asks whether in Ireland a registered druggist may use the title "chemist" on his labels and call his shop a medical hall. [Only those druggists who used the title "chemist and druggist" in Ireland prior to the passing of the Pharmacy Act Amendment Act, 1890, are entitled to use it. There is no restriction on the use of "Medical Hall" as a name for a shop.]

W. P. (164/63).—A and B for many years occupied adjoining lock-up shops, the owner being a relative of both, to whom they paid a nominal rent. Subsequently A and B signed agreements to pay a higher rent, and during the continuance of the agreements A bought both the shops. B's agreement has now expired, and A demands a still higher rent for the shop. Is A debarred by the Increase of Rent and Mortgage Interest (Restrictions) Acts from increasing the rent? [The Acts apply to dwelling-houses only, and do not prevent A from obtaining a higher rent for the shop.]

Kensington (162/21) offered his services to a chemist as a *locum tenens*, and received a telegram asking what his terms were. He wired in reply: "5*l*. weekly, outdoors, and expenses both ways." He had a wire from the chemist in reply, asking him to come the following day. After "Kensington" had been at work for three weeks he secured a permanent appointment, and gave a week's notice, terminating his temporary employment. At the end of the week he returned home, and his employer declined to pay the return fare. Is this refusal justified? [We are of opinion that the employer is liable to pay the return fare unless "Kensington" expressly agreed to remain at his post for a longer period than one month, or to give longer notice than one week terminating his employment.]

E. D. H. (165/23) sends us for perusal a draft form of will which he proposes to execute. He appoints one executor, leaves the benefit of his entire estate to his wife until her death or re-marriage, and makes somewhat complicated provisions regarding the disposal of his estate after his wife's interest has ceased. Do we consider that the will in its present form is appropriate? [Although technical phraseology is not necessary in order to make a will effective, we strongly urge "E. D. H." to have his will prepared by a solicitor in order to avoid the possibility of dispute or tronble after his death. Since the will creates a trust, we recommend "E. D. H." to appoint at least two persons to act as executors and trustees; but in other respects we see no objection to the provisions of the will, although they are not in the form which would be adopted by a solicitor.]

J. W. (165/25) wishes to know if it is legal for chemists to sell meat, malt, and quinine wine providing it contains the B.P. quantity of quinine (as in vin. quininæ). [No objection is offered by the Customs and Excise Department to the sale without licence by duly qualified and registered chemists and druggists of orange quinine wine, which corresponds in composition to the vin. quininæ B.P., or of other medicated wines prepared in accordance with the B.P., provided that each preparation is labelled so as to show from the dosage that it is intended to be used as a medicinal article and not as a beverage. Any orange quinine wine which contains at the time of sale quinine in less proportion than the equivalent of one grain of hydrochloride in each fl. oz. can only be legally sold under a wine licence. The question then is whether "J. W.'s" meat, malt, and quinine wine fulfils these conditions, and it might be advisable for him to send a sample of the preparation through the local officer of Customs and Excise for analysis by the Government laboratory.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. M. (161/43).—Determining Ammonia in Soot.—The following is a good method: Ten grams of soot is shaken up with 200 c.c. of distilled water, containing 10 c.c. of ac. hydrochlor. dil. B.P. and warmed to 120° F. for thirty minutes. Wash by subsidence and decantation or collect on a filter paper and wash with warm water until 350 c.c. have been collected. Transfer to an ammonia distillation flask, add a few pieces of litmus paper and excess of magnesium oxide, also a few small pieces of pumice, and distil into excess of standard sulphuric acid $N/1$ or $N/2$ contained in an efficient condensing apparatus, taking care to ensure excess of acid throughout the operation by colouring it with a few drops of a weak solution of methyl orange. Continue the distillation for half an hour. Titrate the cold distillate back with a similar strength solution of NaOH and the usual calculation follows: 1 c.c. $N/1$ acid $=0.017$ NH_3, or it may be calculated as NH_4Cl, which is the chief constituent, or as $(NH_4)_2SO_4$. Coal contains from 0.5 to 1.5 per cent. of nitrogen, and soot about from 0.25 to 10 per cent. of ammonium salts.

C. H. C. (19/1).—Volumetric Assay of Iron and Ammonium Citrate.—There is a process in the United States Pharmacopœia for this, as follows:

Dissolve 1 gram of iron and ammonium citrate, accurately weighed, in 25 c.c. of distilled water and 7 c.c. of hydrochloric acid, in a glass-stoppered flask or bottle, add 4 grams of potassium iodide, stopper the bottle securely and keep it at a temperature of 40° C. for thirty minutes. Then cool and titrate with $N/10$ sodium thiosulphate volumetric solution, using starch-test solution as indicator. It shows not less than 16 per cent. or more than 18 per cent. of iron. Each c.c. of the $N/10$ sodium thiosulphate solution used corresponds to 0.005584 gram of Fe. Each gram of iron and ammonium citrate corresponding to not less than 28.6 c.c., nor more than 32.2 c.c. of $N/10$ sodium thiosulphate solution.

The equation representing the stages would be:

$$Fe^{III}C_6H_5O_7 = Fe^{III}Cl_3 = KI = I = Na_2S_2O_3 \cdot 5H_2O.$$

The result may be expressed, as in the British Pharmacopœia, 1914, as percentage of Fe_2O_3 present. Then

$$I = \frac{Fe_2O_3}{z} = \frac{112 + 48}{z} = \frac{160}{z} = 80,$$

and 12.7 iodine $=8.0$ $Fe_2O_3=24.8$ thiosulphate$=1,000$ c.c.; therefore 1,000 c.c. thiosulphate$=8$ grams Fe_2O_3.

T. B. N. (171/20).—Long's ointment, so-called from its advocacy by St. John Long, as a cure for consumption, is ung. antimonii tartarati. The formula, which was official in the British Pharmacopœia 1885, is:

Tartarated antimony, in powder	1 part.
Simple ointment	4 parts.

Mix.

Lard was the basis employed in the London and Edinburgh Pharmacopœias.

K. C. (170/53).—Celluloid Varnish.—The only formula which we have for celluloid varnish of the kind you ask for is as follows:

Celluloid parings	℥j.
Acetone	℥x.
Amyl acetate	℥x.

Dissolve.

W. & S. (170/7).—Ammonium sulphoricinate is ma on similar lines to sodium sulphoricinate (Turkey-r oil), a formula for which was last given in the *C. & I* July 18, 1916, p. 52.

J. M. (172/62).—Pick-me-ups.—The following recip are from "Pharmaceutical Formulas":

I.

Spt. chloroformi ...	♏ss.	Proof spirit ...	℥xv.
Spt. ammon. arom.	♏ss.	Reduce the drugs t No. 40 powder, and mak a tincture by maceratio for four days. Strain press, and filter, and to th filtrate add	
Tr. gentianæ co.	ʒj.		
Tr. cardam. co. ...	ʒij.		
Syrupi	ʒij.		
Aq. ad	℥ij.		

M. Pro dose.

II.

Cascarilla	℥j.	Spirit of chloroform	℥ij.
Gentian-root ...	℥j.	Sherry	℥v.
Cardamom-seeds ...	℥ss.	Syrup	℥x.
Lemon-peel ...	℥ss.	Water to make the whole	Oij.
Orange-peel ...	℥ss.		
Ginger	℥ss.		
Cinnamon	ʒij.		
Cochineal	ʒij.		
Aromatic spirit of ammonia ...	℥v.		

Mix.

Dose: An ounce with a much water.

E. H. C. (172/60).—Chilblain Ointment.—The fo lowing is the formula for which you ask:

Camphor	½ lb.
Lavender oil, Rosemary oil, Peru balsam, of each ...	2 oz.
Phenol	1 oz.
Soft paraffin	1½ lb.
Wool fat	5 lb.

Mix.

R. W. M. (170/16).—"Tinct. Chlorof. et Morph.," ordered in a prescription, is the preparation of the British Pharmacopœia, 1885, unless you have evidence that the doctor desires the compound tincture of chloroform and morphine which has replaced it in subsequent Pharmacopœias. The reason for this statement is that the preparation of the British Pharmacopœia, 1885, was comparatively weak in morphine, and in the B.P., 1898, the morphine was increased to four times the proportion. To distinguish the altered tincture the compilers of the Pharmacopœia gave it a different name—*viz.*, tinct. chlorof. et morph. co.

R. H. M. (62/15).—Estimation of Hydrogen Peroxide. —In the reply which was printed in the *C. & D.*, January 31, p. 96, please note that eight lines from the bottom "sodium hydrobrom." should read sodium hydroxide.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb 15, 1870.

The Chemists' Annual Ball.

"Nunc est bibendum, nunc pede libero
Pulsanda tellus."—Carm. i. 37.

Can any state a reason why Willis's should not be classic ground? Once more we have to record the success of the Chemists' Annual Ball—the fourth of the series. We had almost ranked the event amongst the pleasures of the past, when it was brought to our recollection by a poem, exactly two lines short, which, doubtless, yesterday afforded pleasure to the fair recipient—

"Of all the maidens whom I adore,
There's no one like my Terpsichore."

The quantity is not entirely accurate, but the sentiment is of a nature to command respect. Some may be interested in knowing the numbers usually present. They are as follows:

1868	1869	1870
260	270	300

In 1869—though the gain of money is by no means an object of this social gathering—twenty guineas were presented to the Benevolent Fund, and a similar sum this year.

NOW ON THE P.A.T.A.

"Condy's Crystals"

(NO POTASH.——ALL-BRITISH).

Being **CONDY'S FLUID**, desiccated.

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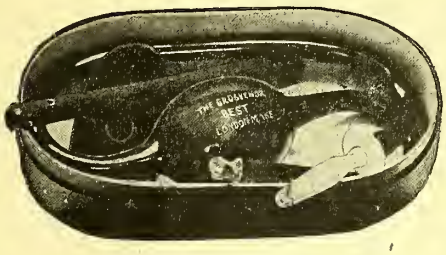

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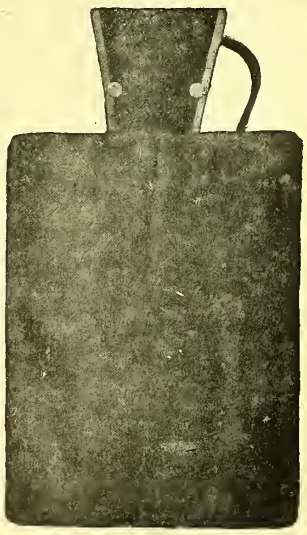

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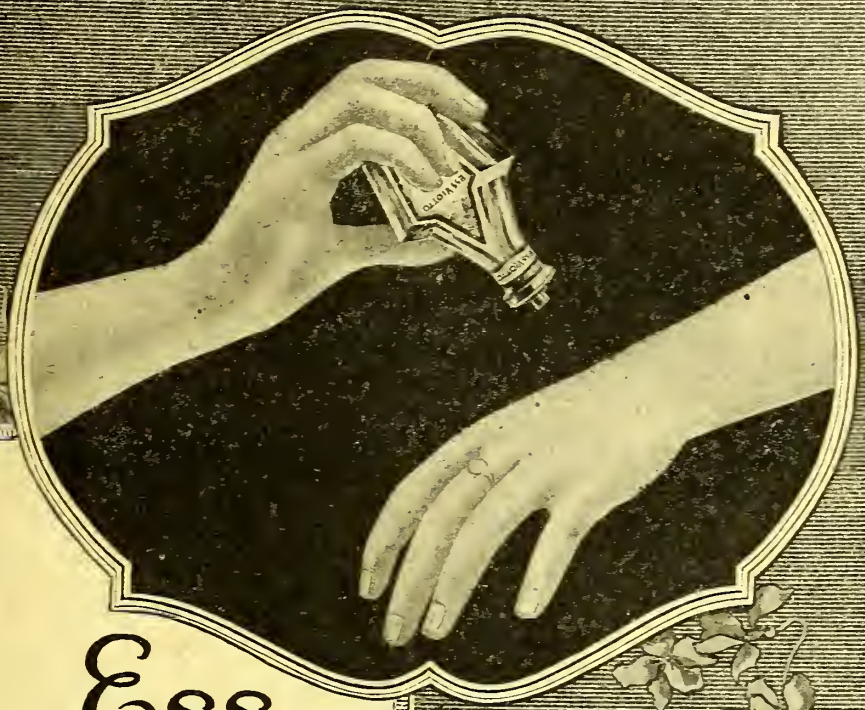

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Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 3/3 lb.; 10 lbs. @ 3/6 lb.
*Ext Ergot. Liq. P.B., 5 lbs. @ 35/- lb.; 1 lb. @ 36/ lb.
*Lin. Aconiti Meth., 5 lbs. @ 2/9 lb.; 1 lb. @ 3/1 lb.
*Lin. Bellad. Metb., 5 lbs. @ 7/9 lb.; 1 lb. @ [8/- lb.
Lin. Campb. P.B., 9 lbs. @ 6/9 lb.
Lin. Sapo Meth., 9 lbs. @ 2/4 lb.
*Liq. Hamamelidis, B.P., 6 lbs. @ 2/6 lb.
* ,, Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 6/2 lb.
Ol. Eucalypt., P.B., 1 cwt. @ 3/8 lb.; 28 lbs. @ 3/10 lb.; 9 lbs. @ 4/1 lb.
Ol. Olivæ, P.B., 2 gall. @ 20/6 gall
Ol. Ricini Medicinal, 40 lbs. @ 1/3 lb.; 9 lbs. [@ 1/4 lb.
Potass. Brom. P.B., 7 lbs. @ 5/- lb
Sacch. Lact P.B., 14 lbs. @ 2/4½ lb.
Sodii Salicyl. Pulv., 2 lbs. @ 4/8 lb.
*Spt. Æther Nit., P.B., 4½ lbs. @ 6/- lb.
* ,, Ammon. Aromat., P.B., 5 lbs. @ 4/11 lb.
* ,, Chloroform. P.B., 5 lbs. @ 6/4 lb.
Ung. Sulphuris, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/8 lb.

* Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
In comparing prices it must be borne in mind that bottles and packages are free and not charged, but are credited if returned.

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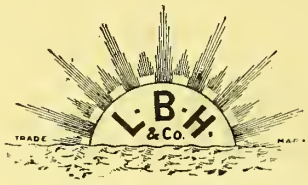

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113 Temple Chambers, E.C. 4.

February 7, 1920.

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Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
	Allen & Hanburys' Preparations:		doz.
1/6	Carminative, "A. & H.," 5 oz. ...	1/6	13/6
2/6	,, ,, 10 oz. ...	2/6	22/6
10½d.	**Antiseptic Toilet and Baby Powder** (made by Johnson & Johnson)	10½d.	7/6
		in gross lots,	7/-
	Burgoyne, Burbidges & Co., Ltd.'s Preps.:		
2/3	Burgoyne's Universal Saline ...	2/3	17/6
1/9	**Jackel's Cream for the Hair**	1/9	12/-

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SALOL
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CARAMEL COLOUR

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times the concentration of Liquid Caramel.

Sample on application.

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We can offer from stock, afloat, and prompt shipment from New York:—

Acetanilid	Glucose	Paraformaldehyde
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Bromides	Lithia Carb.	Prussiates
Beta-Naphthol	Hypophosphites	Resorcin
Carbolic Acid	Hypo. pea Xtals.	Saccharin
Coumarin	Mercurials	Salicylic Acid
Citric Acid	Methyl. Sal.	Soda Sal.
Farina	Milk Sugar	Salol
Formaldehyde	Phenacetine	Soda & Acid Benzoate
Guaiacol Carb.	Pepsin	Tartaric Acid
Dragon's Blood	Phenolphthalein	Terpineol
Glycerine	Pancreatin	Tannic Acid
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Also a full line of **HEAVY CHEMICALS, ANILINE OIL & SALT, SODA, BICARBONATE, CAUSTIC ASH, SULPHIDE, SULPHITE, BLEACHING POWDER, BICHROMATES, ZINC DUST, &c. &c.**

Obtain our quotations before ordering. (Phone 5763 HOLBORN.)

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Every tablet guaranteed to contain gr. 5 PURE ASPIRIN, B.P., m.p. 135·5, as supplied by us on contract to the Allied Armies.

Packed for the Trade, in unlabelled bottles, as follows:

25's—**4/3** per dozen. 50's—**7/6** per dozen. 100's—**13/6** per dozen.
Bulk, **8/-** per 1,000.

(Stock labels supplied if desired.)

ASPIRIN, B.P., superfine quality, **5/6** per lb.

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WAND'S **PILLS** HAVE SOLUBLE COATING.

WAND'S **TABLETS** WILL DISINTEGRATE.

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SACCHARINE

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SACCHARIN TABLETS
STILL LEAD?
BECAUSE CHEMISTS CAN
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Average over 7,000 to pound.

Quantity	½ gr. 330	⅓ gr. 330	¼ gr. 330
1 lb. ...	**45/-**	**34/-**	**27/-** per lb.
10,000 ...	**6/6**	**5/-**	**4/-** per 1,000
100's boxes	**9/-**	**7/-**	**6/-** per doz.
200's ,,	**16/-**	**13/-**	**11/-** ,,

Cash with Order. *Registered Post Paid.*

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7-lb. lots ... ... less **1/-** per lb.
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100's & 200's less **6/-** per gross for gross lots and over.

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Competition for Quality.

J. D.
Saccharin Tablets

0·3 gr. 550 Saccharin in each.
FULL STRENGTH.

100's in envelopes	... 10/-	doz.
100's in tins	... 11/-	,,
200's in boxes	... 20/-	,,
500's ,,	... 46/-	,,
1000's in tins	... 90/-	,,

Per 50/- lb.

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Each Tablet contains 5-gr. B.P. Aspirin.
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Bottles—15s. 50s. and 100s. Prices according to quantity.

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In packets or bottles of 100, 200 or 500, and in Bulk. Special quotations for quantities.

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All drugs are tested, and tablets made in our own factories, and guaranteed by
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Formalin (dry) ... ... ½ gr.
Acid. Citric ... } ā ā
Sacch. Alb. ... } q. s
Ol. Menth. Pip ... }
FOR THE
Throat and Voice
ANTISEPTIC & SOOTHING.
DOSE.—One to be dissolved in the mouth occasionally.
6/10 per doz.

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5 grs.
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Per 1000 ... ... 8/-

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5 grs.
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⅓ gr.—550,
Perfectly Soluble.
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Formalin (dry) ... ... ½ gr.
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Ol. Cinnamon ... }
FOR THE
Throat and Voice
ANTISEPTIC & SOOTHING.
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whilst our supply lasts

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Carriage Paid 7 lb. or over Prompt Cash Only.

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BRITISH SACCHARINE
3 gr., 550 in each.
Packets of 100, **10/-** per doz.
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In 1 gross lots or over, net cash with order.

PHOSPHORUS AND QUININE
10/6 per 1000.

CINNAMON AND QUININE
10/6 per 1000.

WITH SHOWCARDS.

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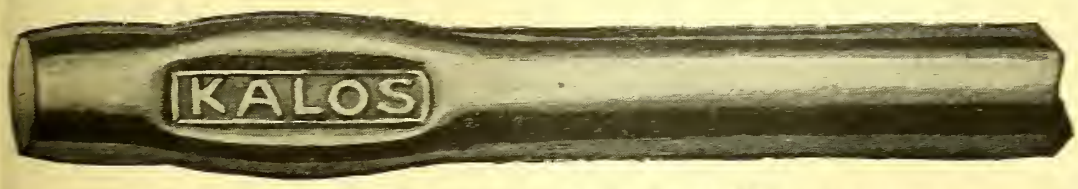

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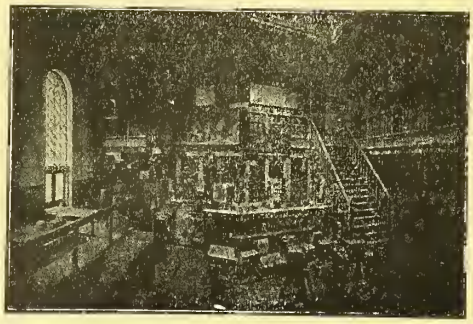

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Male Fern Extract (24/25%).

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STARUP'S REAL DANISH CHEESE RENNET EXTRACT is guaranteed to be made from finest calf vells only, and does not contain Pepsin or other kind of substitute.
Chemists and Druggists, please ask for G. C. Starup's real Danish Rennet Extract, Annatto Cheese Colour and Butter Colour: also Rennet Tablets for Cheese Making. PRICES ON APPLICATION.

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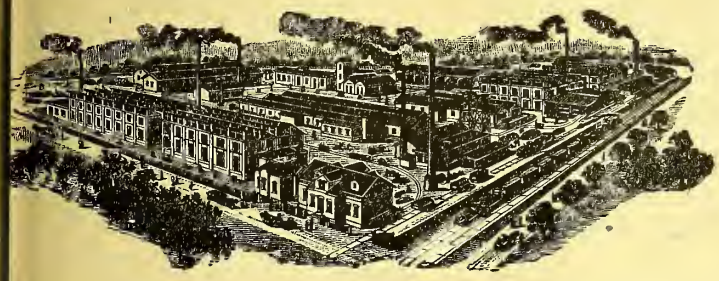

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SUGAR-COATED QUININE TABLETS & PILLS,
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Theobromine Sodio-Salicylate

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Caffeine

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Substitute for Agurine.

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are *the* genuine articles and the most perfect of their kind.

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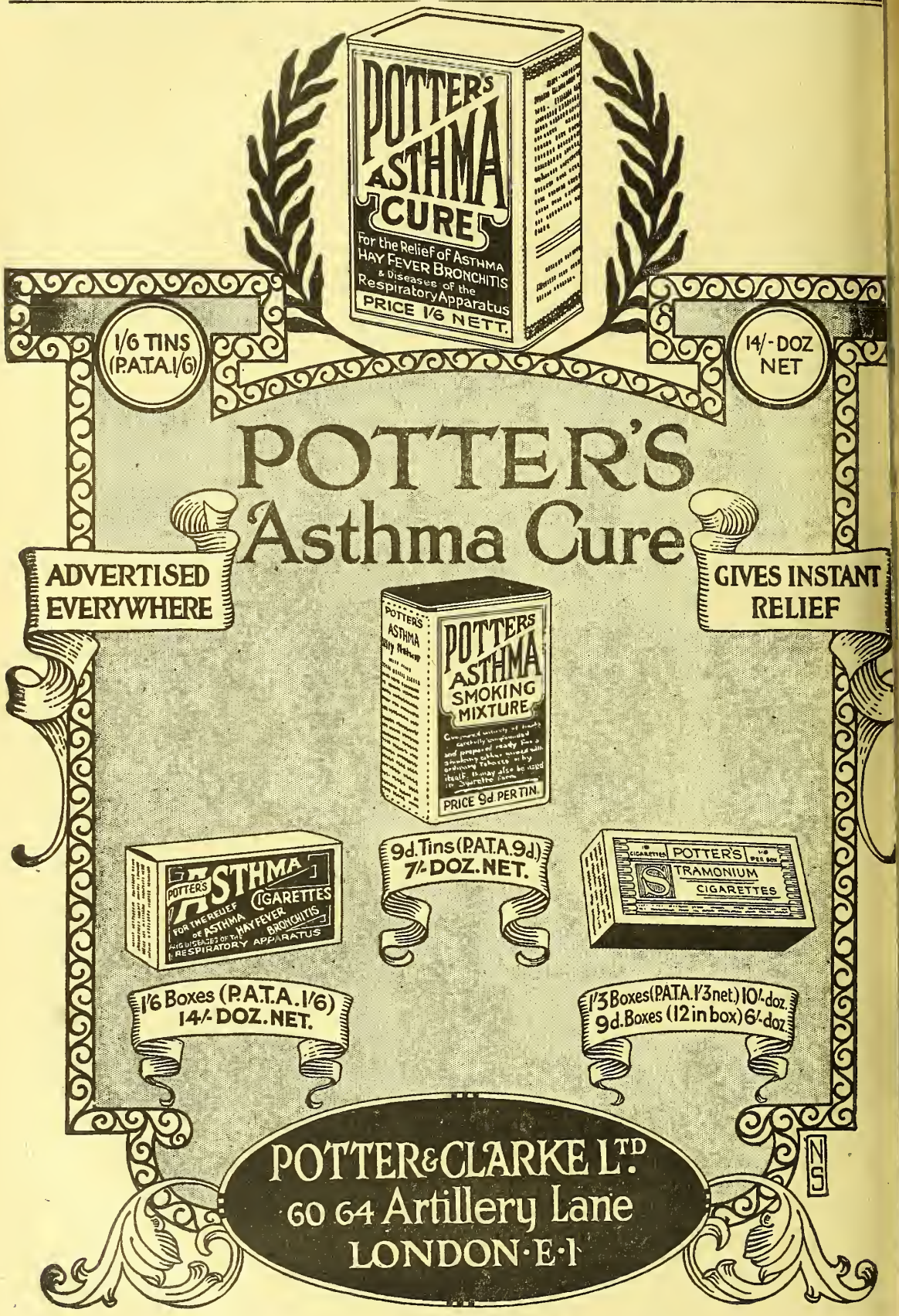

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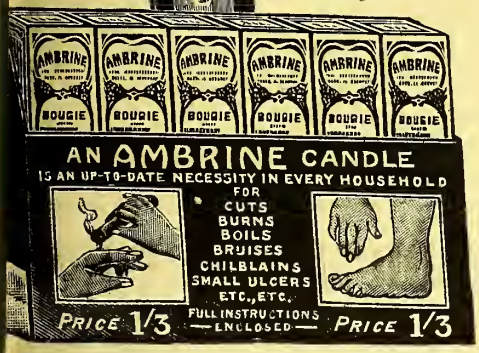

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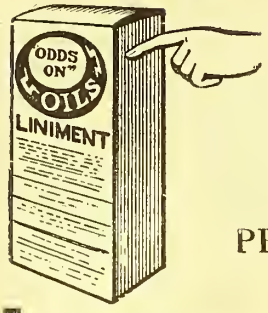

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EUCALYPTUS OIL

B.P. 70/75%

STOCKS IN LONDON

GELATINES

SAMPLES AND QUOTATIONS FOR WHOLESALE QUANTITIES.

Fine Pharmaceutical and Heavy Chemicals.

New Customers every day
for all who stock

WINOX
WINE FOOD

Extensive Advertising is creating a colossal demand for WINOX, the finest Medicated Wine on the market, and the only Tonic Wine selling entirely on merit.

Secure stocks to-day and double your turnover.

WINOX WINE FOOD is a high-class Pharmaceutical Wine, containing all the food elements of wine, prime English beef, malt, and unfermented grape juice, a triumph of concentration without drugs. Complete Analysis on every bottle.

Invaluable in cases of **Influenza**, Anæmia, Neuritis, Gastritis, Neurasthenia, Indigestion, Neuralgia, Nervous Breakdowns, and other Nervous and bodily weaknesses. It is the ideal Tonic for Convalescents.

Write for particulars of this **41% *Profit Proposition*** *to-day.*

WINOX, LTD., RICHMOND, SURREY.

MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

TELEPHONES: Pollokshaws 14 Avenue 5661 (2 lines).

PERRY & HOPE, Ltd.

TELEGRAMS: "Perryope, Nitshill." "Perryope, Lond. London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Medicinal non-freezing

COD LIVER OIL

FROM STOCK.

K. MALMBERG,

0 Cannon Street, LONDON, E.C. 4.

AND AT NEW YORK

Telegraphic Address: "Intempero, Cannon, London."

Telephone No.: City 6321.

Extract of Malt

and

Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

THE

BRITISH DIAMALT CO.

BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
H. D. & C. T. TAYLOR

A Topic of the Trade

discussed at the meeting of the P.A.T.A. this week was the all-important one—these days—of **Profit.**

INCREASED Carriage is yet another "straw" on the top of the already heavy burden of High Costs now being borne by every Chemist.

THE SANAGEN CO. does its best to help the Chemist by

1. Paying Carriage, and
2. Providing a Paying Profit of 50%—based on a 33⅓% Trade Discount.

AND a growing demand for SANAGEN is being stimulated by a regular Advertising Campaign in the leading London Daily Newspapers.

GOLD MEDAL AT INTERNATIONAL MEDICAL CONGRESS, LONDON.

Sanagen

Trade Mark Regd.

SIZES AND PRICES

2-oz. **2/-**	4-oz. **3/-**	8-oz. **5/-**	16-oz. **9/6**

OF ALL WHOLESALE HOUSES AT 33⅓% DISCOUNT.

SANAGEN CO., LTD.

SHEEPCOTE LANE, BATTERSEA, - LONDON, S.W.11

TELEPHONE: VICTORIA 2031

WHOLESALE PRICES OF

'QUINPHOS' (REGD.

THE GREAT TONIC.

	Minimum Retail Price.	Wholesale Price.
On the P.A.T.A.	1/3	11/6 per doz.
	3/-	27/6 "
	5/-	48/- "

LIQUID OR TABLETS.

CARRIAGE IS PAID ON ORDERS OF 10/- UPWARDS.

A SPECIAL DISCOUNT OF 5% IS GIVEN FOR CASH WITHIN ONE MONTH.

16 INCHES.

29 INCHES.

BONUS FOR WINDOW DISPLAY as above.

No. 1—For a 25/- order of "QUINPHOS," equivalent to 1 doz. 1/3 size and ½ doz. 3/-, liquid or tablets or assorted, there is a bonus of 3×1/3 size with high-class Cut-out and Showcards for Window.

No. 2—For a £3 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 9×1/3 size, with high-class Cut-out and Showcards for placing in the Window.

No. 3—For a £5 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 15×1/3 size, with high-class Cut-out and Showcards for Window Display.

SOLE MAKERS:

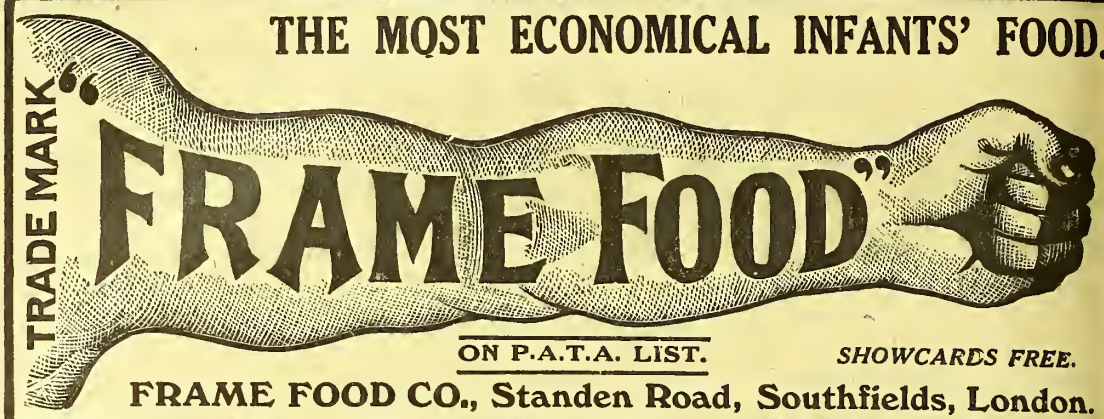
THOMPSON & CAPPER, LTD.

Manufacturing Chemists,

Manesty Buildings, College Lane, LIVERPOOL.

Telegrams: "SANITAS LIVERPOOL." ESTABLISHED 1843. Telephone: ROYAL 2060.

THE MOST ECONOMICAL INFANTS' FOOD.



ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd., Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

When consulted about

Diabetic Foods

remember the advantages of the "ENERGEN" Brand.

Prescribed by leading Specialists. Carry a good profit to the Chemist. Inquiries invited.

Therapeutic Foods Co.

19c Roundwood Road, Willesden, N.W.10.

A SPA IN THE HOME

EUSALAX

A pleasing Mineral Aperient & Tonic.

For sufferers from Rheumatism, Gout, Sciatica, Neuritis, Lumbago, Eczema, Dyspepsia and Constipation.

"EUSALAX" is a careful and scientific combination of the beneficent mineral salts of some of the most famous Continental spas. It is one of the greatest solvents of Uric Acid, a natural stimulant to the liver, kidneys and intestines, and a sure blood purifier.

"EUSALAX" is being extensively advertised and is sure to prove a strong selling line.

Retailed in 1/- boxes: trade terms 7/6 per doz. boxes. (Yielding 60% profit to chemists)

Also Retailed in 2d. packets: trade terms 1/4 er doz. pkts. (Yielding 50% profit to chemists)

GEORGE WALKER & SON, Ltd., Reid St., Bridgeton, Glasgow

(ESTABLISHED 1860)

YOU CAN *SAFELY* RECOMMEND

EARLY YEARS' ABLISHED UTATION.

ld Medals, lon, 1900, and 1914. lso Paris.

Neave's Foods

Used in hundreds of Hospitals & Child Welfare Centres and Creches.

AND IT WILL PAY YOU TO DO SO.

FIXED PRICES, FIXED PROFITS.

eir use is widely endorsed by the Medical Profession, Medical Papers and Institutions. Neave's he oldest of all infants' foods, and has been sold all over the world for nearly a century.

NEAVE'S FOOD (Cereal)

Prepared with Milk as directed forms a complete diet for Infants, Growing Children, Invalids and the Aged.

Retail Prices.			Wholesale Prices.
6d. Packets	(containing 6-oz. net),		**14/-** per 3 dozen case net.
1/6 Tins	„ 16 „	„	**14/-** per dozen net.
3/9 „	„ 40 „	„	**35/-** „ „

Terms: NET, PROMPT CASH. Carriage paid on 6 dozen in England and Wales, and 12 dozen in Ireland, Scotland, Isle of Man, and the Channel Islands. Packing-cases (6 dozen each), free.

Any war-time packets still in stock may be changed for the new tin packing on payment of difference in price.

NEAVE'S MILK FOOD (Starchless)

For Babies from Birth. Instantly prepared by adding hot water only.

2/6 Tins (containing 10-oz. net), **23/4** per dozen net.

Terms: As for Neave's ordinary food, but carriage paid on 2 dozen.

DOCTOR——, D.Sc.Ed., B.Sc., M.D., M.B., C.M., D.P.H. (Park Lane, W.), writes: "My baby girl is thriving admirably on your Milk Food . . . The mother was unable to feed her and previously tried other infants' foods without success." ". . . I take every opportunity of recommending both your Milk Food and Cereal Food as the best scientific preparations where breast feeding is contra indicated."

Profit on all lines: 28% on cost or 22% on selling prices.

NEAVE'S HEALTH DIET (Milk and Cereal)

For Expectant and Nursing Mothers, Invalids and Dyspeptics.

2/- Tins (containing 12-oz. net), **18/8** per dozen net.
6/- „ „ 36 „ „ **56/-** „ „

Terms: As for Neave's Milk Food.

The diet provides full and exact nourishment at the expense of small exertion on the part of the digestive organs. It is meeting with much success in cases of general debility and the various forms of dyspepsia.

Showcards and other advertising material carriage paid on request.

JOSIAH R. NEAVE & CO., FORDINGBRIDGE, HANTS.

Telegrams and Cables: "Irne, Fordingbridge."
Codes: Western Union—5-Letter Ed.; A B C, 5th Edition.
Telephone No.: Fordingbridge 2.

GOOD! IT'S MASON'S

The Drink for the Masses

Millions of glasses used daily by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade Crystals, &c.

NEWBALL & MASON
NOTTINGHAM

"J. GREEN"
British Made Filter Papers

CORRESPONDING TO THE GERMAN
Nos. 595, 597, 598, 602, 604, etc.
ALSO
Ashless Filters
to replace German and Swedish makes.
589[1]—589[2] 589[3]—207.
No. O—No. I F.
SOXHLET THIMBLES.
FOLDED FILTER CIRCLES, etc.

For Samples and Prices apply to any of the leading Laboratory Furnishers.

Makers—
J. BARCHAM GREEN & SON,
Hayle Mill, Maidstone, England.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

BOAKE ROBERTS'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash, Vanilla

A. Boake, Roberts & Co. Ltd.
Stratford, London, E15.

IT PAYS YOU TO SELL
HEADLIVER SALT

The Super-Health Salt. Biggest Value. Smartest Tin on Market.
Fine Display Cards—Forceful Press Advertising. On the P.A.T.A. List.

are now booking orders for Spring delivery. Early application is advisable in view of general shortage.

THE HEADLIVER SALT CO., Ltd., CONWAY.

Telegrams: "Headliver Conway." Phone: 53.

THE CHEMISTS' APERIENT MINERAL WATER

Aquaperia (Harrogate)

P.A.T.A.
2/6 per doz. allowed for Empty Bottles returned Carriage Paid, to our Factories

Standardised & Bottled by CAMWAL, Ltd., at their Spring at Harrogate.
Supplants Apenta, Hunyadi-Janos and German and Austrian Waters of similar Character

Of all Wholesale Houses, and "CAMWAL" LTD. HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL, MITCHAM, LONDON, & DEPOTS. Special Export F.O.B. quotations, including packages.

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

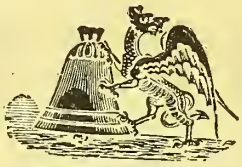
IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

LLING AGENTS AND TRAVELLERS.
FREMLIN-ROGERS"
ILK STERILIZER
(STEAM-HEATED)
for Hospital, School, Dairy, Hotel and Domestic use.
Liberal discount allowed Agents, and commission to Travellers.
ite for particulars to "MILK STERILIZERS," Buckingham Street, Strand, London, W.C. 2.

CHELTINE MILK & MALTED FOODS
No. 1. from birth to five months.
No. 2. from five months onwards.
No 3. for Invalids, Dyspeptics, the Aged, and those with enfeebled digestion.
Experience is proving, and medical men are testifying to the value of these perfect Foods. Terms and full particulars from
THE CHELTINE FOODS CO., CHELTENHAM.

PIPES AND SMOKERS' REQUISITES.
Price Lists on Application.
HARWOOD BROTHERS,
BRIAR PIPE MANUFACTURERS,
8/20 Richmond Street, LIVERPOOL.

"BELL & DRAGON"  BRAND.

Registered Trade Mark.

Health Salt

IN DECORATED TINS.

We are now in a position to offer prompt delivery for New Stock for the ensuing season.

Inquiries are invited. Quotations on application.

"Corbyn's Post."

A short monthly list of pharmaceutical products for the use of chemists, supplied at advantageous prices.

CORBYN, STACEY & CO., LTD.

Brunton's Wharf,

673 Commercial Road East, LONDON, E. 14

Telephone No.: East 1833. Telegrams: "Colocynth, Step, London."

NATURAL Mineral Waters.

¶ We are Agents for all the leading Natural Mineral Waters, importing them regularly throughout the Season from all parts of the World, when it is possible.

¶ Should you be asked for a Water with which you are not conversant, please apply to us, as we may have it in stock; or we could procure at short notice, if obtainable.

¶ Chemists should write for our special list of net prices. Most of the well-known Waters are on the P.A.T.A. protected list, and show the retailer good profits. Goods delivered direct to Clients' own Customers if desired.

¶ Showcards, Show-bottles, Pamphlets, Dummies, &c., forwarded on application.

INGRAM & ROYLE, Ltd.,

IMPORTERS, EXPORTERS, AND DEALERS IN ALL

Natural Mineral Waters, Salts & Pastilles.

Sole Agents for **VICHY-CÉLESTINS** and all other State Springs of Vichy.

Telegraphic Addresses:

"INGRAM-ROYLE, WATLOO, LONDON." Telephone: Hop 4343 (2 lines).

"SPRUDEL BRISTOL." Telephone: 1113.

"CELESTINS LIVERPOOL." Telephone: Bank 4528.

Bangor Wharf, 45 Belvedere Rd., London, S.E. 1.

LIVERPOOL: 19 South John Street. BRISTOL: Bath Bridge.

HOT WATER BOTTLES
AND
AIR CUSHIONS
THE "EMPIRE" BRAND

One Quality only—THE BEST. Guaranteed for 2 years.

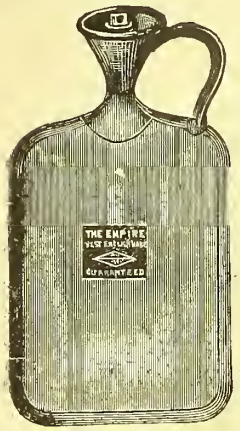


Fig. 957.—Side Handle.

Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×1
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight ... ... each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7 0
Covers, scarlet or grey plush ,,	1 5	1 8	1 10	2 0	2 2	2 8	2 10	3 3

Fig. 1194. **The "EMPIRE" Red Indiarubber Air Cushion.**

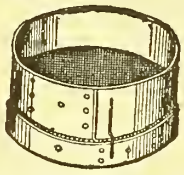
Sizes	14	15	16	17	18	19	20 ins
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Circular Shape ... ... each	8 0	9 0	10 0	11 0	12 0	14 0	16
Square shape ... ... ,,	12 0	13 6	15 0	16 6	18 0	19 6	22

5% discount allowed for prompt cash off above prices.

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubber Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED

BURGE, WARREN & RIDGLEY, LTD.
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.



For your **Sieves and Wire Gauze** try the actual Makers!

S. RAMSEY & CO.,
198/202 ST. JOHN STREET, E.C. 1.

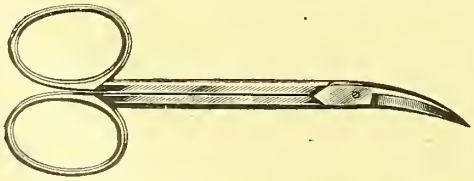
Telegrams: "Methodical, Smith, London." Telephone: Holborn 6337 (3 lines).

ELASTIC GUM SURGICAL INSTRUMENTS.

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C.1.

"INTRINSIC" Brand
(HIGHEST GRADE)
SURGICAL SCISSORS



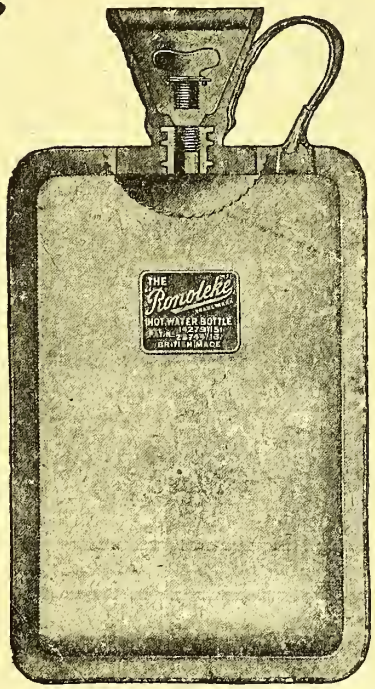
Amputating, Dissecting and Veterinary Knives, Symes, Scalpels, Bistouries, Lancets, Chiropodists' Knives, Corn Planes, etc.

John Milner & Co., Orient Works,
36-38 Matilda Street, SHEFFIELD (Est. 1842).

T. SHERBORNE & CO.,
Surgical Appliance Manufacturers.
Manufacturers of Surgical Abdominal Belts, Ladies' and Gents' of every description.
WHOLESALE ONLY.
HONOR OAK PARK, S.E. 23. Phone: Sydenham 517.

PURE WHITE INLEAVED ABSORBENT
COTTON WOOL.
1 lb. 1/5½; 8 oz. 1/6½; 4 oz. 1/7½; 2 oz. 1/9½; 1 oz. 1/11½ per lb.
Carr. paid, 28 lb. as above. Special prices for 5 cwt. and upwards
Mag. Carb. Levis, B.P., 1/- lb. Mag. Sulph. B.P., 24/- cwt. Borax and other Chemicals. Terms—Cash with Order.
J. L. STANSFIELD, Chemist, Boothfold, Waterfoot, nr. Manchester.

Every "Ronoleke" REGD. You Sell



makes a Customer for your other Lines

The fact that the "Ronoleke" Bottle CANNOT leak makes satisfied customers who will have confidence in coming to you for all their other needs. Make sure of your supply of "Ronoleke" Guaranteed Unleakable Hot Water Bottles by ordering through your Wholesale House right away NOW.

They will supply you also with attractive advertising material, and the "Ronoleke" itself will advertise you in every purchaser's home.

Revised Prices.

Protected on the P.A.T.A. List.

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
6″ × 8″	5/3	6/10
6″ × 10″	5/10	7/6
7″ × 10″	6/–	7/9
6″ × 12″	6/2	8/–
7″ × 11″	6/3	8/1
8″ × 10″	6/7	8/6
7″ × 12″	6/9	8/9
6″ × 14″	6/9	8/9

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
8″ × 12″	7/4	9/5
9″ × 12″	7/9	10/–
8″ × 14″	8/–	10/3
10″ × 12″	8/3	10/7
10″ × 14″	9/3	11/11
10″ × 16″	10/1	13/–
12″ × 14″	10/4	13/3
12″ × 16″	11/–	14/2

Your Wholesale House will supply you

Patent Neck

Improved HOT WATER BOTTLES

THE **'Ronoleke'** British Made. Requires no Washer. Note the Patent Neck and Stopper. Guaranteed never to leak unless wilfully damaged.

High-grade Moulded Red Hot Water Bottles. Superior Quality. Strong and pliable. Each Bottle boxed singly. Made in 2 Sizes.

The Thames Rubber and Leather Co.

199 UPPER THAMES ST., LONDON, E.C. 4.

Established 1851.

Telephone: 7226 Central.

Telegrams: "Thames Rubber, Cannon, London."

Write for Prices

RUBBER CORKS

IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab Ammonia Proof.	Drab Acid Proof.
Prices for 8-oz. Bottles ...	3/3	4/3 per gross
" 16-oz. " ...	4/9	5/9 "

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for ½-gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of the Best Quality for Laboratory use.

Inquiries Solicited.

Garden City Rubber Company

Manufacturers of all Rubber Specialities for Medical, Chemical & Laboratory use,

Letchworth, Herts.

Telephone: Letchworth 54. Telegrams: "Rubber Letchworth."

FOOT TROUBLES

such as Corns, Bunions, Callouses on the Sole, Flat Foot, Cramped Toes, &c., are increasingly prevalent owing to unaccustomed War Work.

Dr Scholl's Foot Comforts

are the result of years of experience devoted to the treatment of Foot Ailments by Dr. Scholl, and are to-day recognised as the most perfect corrective devices on the Market. They are in constant demand, and all Chemists will find it profitable to stock them.

Send for Wholesale Price List.

THE SCHOLL MFG. CO., Giltspur St., E.C.

Buy direct from the Manufacturer.

The

Bouverie Seamless Rubber Works

GLOVES, TEATS, SOOTHERS

and every description of seamless goods.

Inquiries invited. *Samples gladly submitted.*

H. NORTHCROFT, 85 Bouverie Road, STOKE NEWINGTON, N.

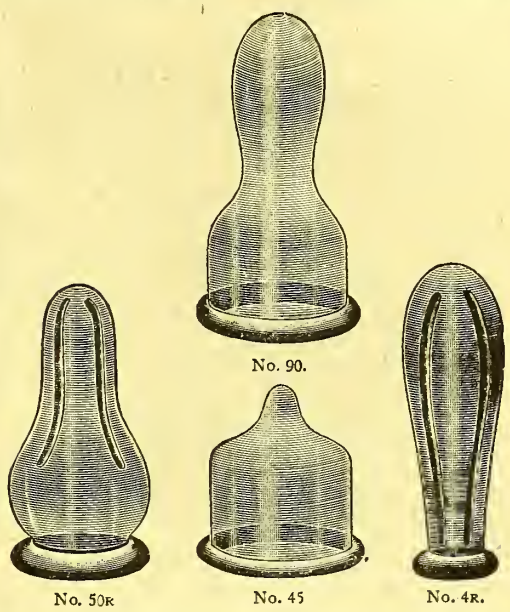
OYLERS'
TRANSPARENT RUBBER TEATS

ENSURE PROTECTION
IN THEIR PARTICULAR PROVINCE as they are of the best manufacture, standing all tests, including boiling—are easy for the baby, and possess the characteristics of great clearness. All parts accessible and durable.

SPECIAL DESIGNS FOR SPECIAL HOME AND OVERSEAS MARKETS.

Write at once to your wholesaler and get the share of the business in your district.

OYLERS' Ltd
35 New Cavendish St., Harley St., London, W. 1.
Wires: "Oylerism, Wesdo, London."
Phone:
Mayfair 36 & 37.



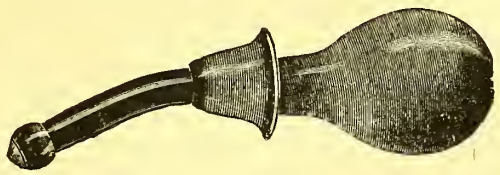
Real Good Lines

Pumisope "The Hand Cleaner."
Dry Cloth-cleaning Balls
(All Colours)
Precipitated Chalk
(Powder)
Prepared Chalk
(Powder and Cones)
Fancy Boot-top Cleaning Balls
(All Colours)
Magnesia, Rouge, &c.

H.H.HANCOCK Regd. No.266037 LONDON

HANCOCK'S, LTD.
"The Factory," OLD BATTERSEA, S.W.11.
WHOLESALE: Write for QUOTATIONS.

WE OFFER FROM STOCK
WHIRLING SPRAYS



Finest stout Rubber Ball and Vulcanite Mount. In Red Velvet and Red Enamel finish. Each in box.

54/- per dozen.
3-dozen lots and upwards,
51/- per dozen.

ARTHUR BERTON, Ltd.
15/17 WORSHIP STREET, E.C. 2.
LONDON, MANCHESTER and GLASGOW.
Telegrams: "Aybelim, Finsquare, London."
Phones: London Wall 507; City 998.

The thought behind the tube—

"the patient on the table"

Not "good enough," but the best from every standpoint—alone assures that degree of "Catgut Safety" demanded when the patient on the table is "one of my own family."

Only on this peculiarly personal basis is

"VAN HORN" CATGUT

supplied to the Profession.

VAN HORN Obstetrical Suture
(Chromic Gut)

K-Y Lubricating Jelly
An Ideal Emollient.

K-Y Analgesic
The Greaseless Anodyne.

Johnson & Johnson,
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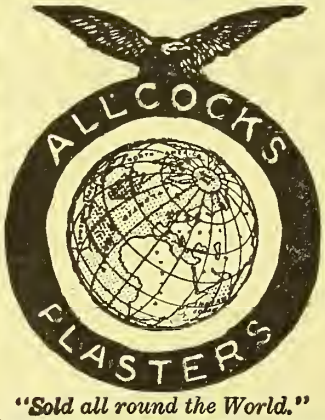

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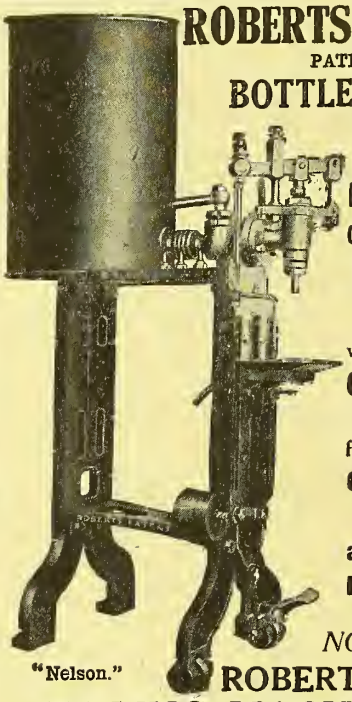

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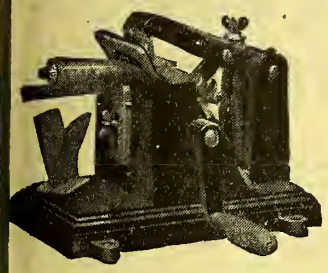
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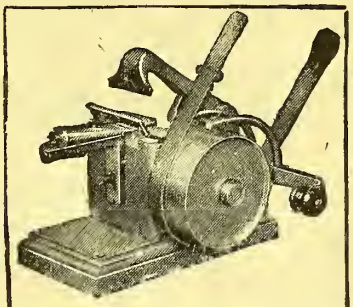
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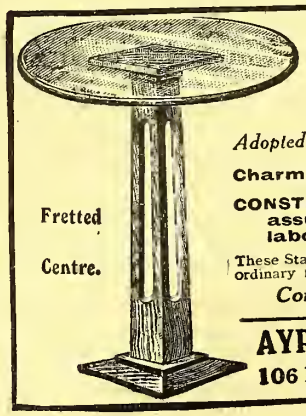
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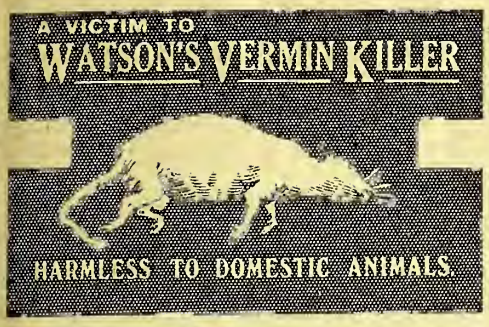

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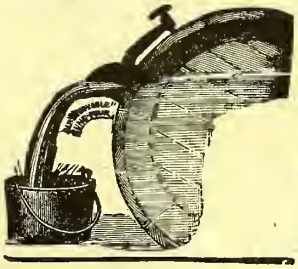

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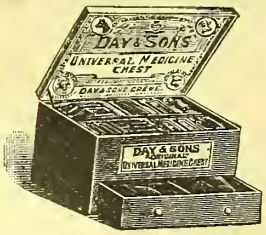

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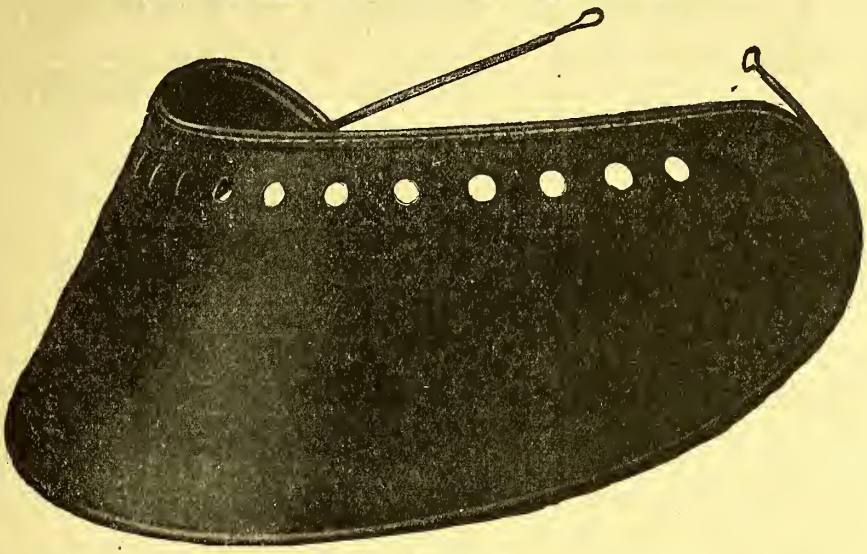

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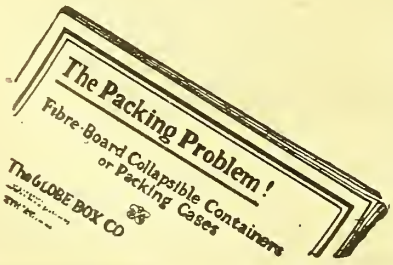

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THE CHEMIST AND DRUGGIST SUPPLEMENT

CANNON ST.
NDON, E.C.4.

FEBRUARY 7, 1920

Th Supplement is inserted in every copy of The Chemist & Druggist

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he clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have een compelled to reorganise our system of distribution: Our readers will lease note therefore that, in future, instructions can be accepted for not more han six successive issues of the Supplement at a time, and that in every case

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S. S. COLE,
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UNQUALIFIED Assistant at once; outdoors; must be quick and competent Dispenser; hours 9-8, Saturdays 9-9, no Sunday duty; state full particulars and salary expected. S. P. Sayers, 7 Brent Street, Hendon, N.W. 4.

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ED, Salesmen for high-class Toilet Soap and Perfumery outh Yorkshire; age 30 to 38; preferably those with as Branch Managers in Drug or Grocery trade. Apply, ge, experience, and net income required, apart from to 170/32, Office of this Paper.

ED, Emulsion Maker; must have experience in manu- ure of Embrocations on large scale. 169/14, Office of r.

Chemist (preferably with Major qualification), com- nt to undertake analytical work and assist in the manu- of Galenicals under the supervision of Laboratory Apply, stating experience and salary required, to 52/31, this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

AST.—A qualified Assistant, not over 30 years of age; st have had experience in first-class Retail and Dispensing ; good salary for the right man; passage paid out and a four years' agreement. Address 2/4, Office of this

L.—Assistant wanted, principally for Wholesale work; ng man, who has been employed in a small country le business and able to make himself generally useful; ars' engagement; salary about £20, £22, and £25 per for the first, second, and third year respectively; second- ssage paid. Apply, stating experience, to "Natal," John & Co., 7 Union Court, Old Broad Street, E.C.

S.—Qualified Assistant; knowledge of French and Con- ental experience; outdoors; short hours; no Sunday or luty; state age, experience, references, and salary re- in first letter; permanency, with good prospects, for suit- aa; send photograph, which will be returned. Roberts 5 Rue de la Paix, Paris.

DESIA.—Qualified Assistant; single; under 30; good eneral experience essential; knowledge of Photography a endation; three years' agreement; second-class passage paid althy climate; easy hours; salary £360, £390, and £420 first, second, and third years respectively. State age, ce, and references to P.C.B. 35/21, Office of this Paper.

ITS SETTLEMENTS.—Young Assistant, unmarried, with hemist's qualification, a good knowledge of Optics desir- our years' agreement; passage paid out and home; salary ar £420, second and third years £455, fourth year £490. 140/34, Office of this Paper.

UIRED (immediately), for African Highlands, fully quali- ed Dispenser; applications from ex-Naval Sick Bay Stewards A.M.C. N.C.O.s would be considered. Write "C. F.," c/o Vickers & Co., Ltd., 5 Nicholas Lane, E.C.

SITUATIONS WANTED.

[HOME.]

RETAIL.

A.A.—COMPETENT Assistant; age 25; experienced Salesman; quick and accurate Dispenser; cap- of taking charge; excellent references; London only; tele- : Padd. 2875. G. Hallett, 17 Craven Road, Hyde Park,

OMPETENT, unqualified Manager or Assistant; over 15 years' experience Retail; last situation over 5 years; salary disengaged. Wild, Audley Road, Colchester.

QUALIFIED Chemist, 25, requires post as Manager or Assistant in good-class business; London only; disengaged; ent references. P. Chapman, 12 Stockwell Park Road, 9.

QUALIFIED Chemist, young and energetic, desires berth, Locum or permanency; disengaged. Particulars to Taylor, yrrell Road, Dulwich, S.E. 22.

QUALIFIED Chemist, 24 years, 5 ft. 10¾ in., requires situa- tion in Lancashire; personal interview preferred; 9 years' l and Dispensing experience; excellent testimonials. Shep- 112 Church Street, Littleborough.

A YOUNG lady desires situation as Packer (wet or dry); knowledge of Chemist's Stock-room; excellent references; disengaged. Miss Cooper, 24 Druid Street, Abbey Street, Bermondsey, S.E. 1.

ABLE Pharmacist, with initiative, Scientific and Commercial training, seeks position offering scope at home or abroad. "Statim," 71 High Road, South Tottenham, N. 15.

ACTIVE Counterman, Stockkeeper, Window-dresser; N.H.I.; good Prescriber, Extractor; energetic, experienced, unqualified; excellent references; 32; 5 ft. 10 ins.; married; demobilised. 65 Maydwell Street, Albany Road, S.E.

ADVERTISER desires change; 25 years' high-class Store and Dispensing experience, 12 years London; free in one month; 40 years, single; salary £5 week; position Managing Assistant or branch. Apply 52/25, Office of this Paper.

ADVERTISER requires position as Assistant or Dispenser; good references; Birmingham district preferred. Dobbs, 59 College Road, Saltley, Birmingham.

AS Manager, Locum, or Assistant; qualified; middle-aged; active business habits; good Counterman, Dispenser, and Prescriber; reasonable wages. North, 307 Maryvale Road, Bournville.

AS Manager, Buyer, or position of trust; qualified man, with best-class London and provincial experience, good organiser, and used to modern business methods; permanency and reasonable salary required; now at liberty. Apply P.C.B. 35/17, Office of this Paper.

AS part-time or evenings; thoroughly experienced Locum; smart, neat, quick Dispenser; good Counter Salesman. G., 122 Scott-Ellis Gardens, St. John's Wood, N.W.

AS part-time; qualified; twelve years' London and Continental experience; Counter, Dispensing; fluent French; disengaged. "Chemist," 78 Rockingham Street, S.E.

AS qualified Manager or Assistant; disengaged; London and provincial experience; steady and reliable; permanency preferred. Davies, Ty. Cwrdd, Llwynhendy, Llanelly.

ASSISTANT; unqualified; 28, height 5 ft. 2 in.; a little Dispensing experience; decent Counter hand; nine years' Drug trade; recently demobilised. H. Fox, Church Lane, Pudsey, Leeds.

ASSISTANT or manage small business; experienced Counterman and Dispenser; smart; highest references from Chemists and Doctors; state salary. Apply Wallace, Church Street, Tremadoc, North Wales.

ASSISTANT, 25, recently demobilised; six years' experience. Apply 44/13, Office of this Paper.

ASSISTANT; apprenticeship just completed; Brighton or near. Miss Wellman, The Orchard, Hassocks.

ASSISTANT; unqualified; 22; 4½ years' Counter and Dispensing experience; recently demobilised; state salary; Liverpool district or South Wales preferred. Full particulars to Williams, 6 Brynteg Terrace, Bangor, N. Wales.

ASSISTANT, unqualified, 29, desires situation; Counter, Stock, and Dispensing. Searle, 2 Carlisle Avenue, Plymouth.

ASSISTANT; unqualified; general experience; Photographic; 25, tall; disengaged; S. London or City preferred. "A.," 41 Thornton Road, Thornton Heath, Surrey.

ASSISTANT; unqualified; Counter, Dispensing, and Window-dressing; good references; recently disengaged; London and provincial experience; Locum or permanency. Apply 53/19, Office of this Paper.

ASSISTANT; unqualified; Dispensing, Counter, Stock, N.I..D.; London or country; disengaged. "Sambuci" (53/4), Office of this Paper.

ASSISTANT (lady); unqualified; good Counter and Photographic experience; highest references. G. B., c/o Messrs. Atkins & Son, Chemists, Salisbury.

ASSISTANT; 22; unqualified; experienced high-class Dispensing and Counter; excellent references; recently demobilised. Full particulars to Jeffs, 42 Morel Street, Barry.

ASSISTANT (lady); unqualified; all-round experience Dispensing, Counter, etc.; good references; start immediately. Kingston, 1 Tadmor Street, Shepherd's Bush, W. 12.

ASSISTANT, 34, unqualified, requires permanency; London or provinces; good all-round experience town and country; excellent testimonials; free when required. "Assistant," c/o "Chemist," 10 Terrace Road, Upton Manor, E.

ASSISTANT, unqualified; ten years' experience; good reference; start immediately. R. Fairburn, Killamarsh, Sheffield.

ASSISTANT; unqualified; all-round experience; London only. "Radix," 72 Tremadoc Road, Clapham, S.W.

ASSISTANT or Dispenser (32), tall, desires post; Birmingham or Manchester preferred; good varied experience. Perry, H. R., 18 Gaolgate Street, Stafford.

ASSISTANT, unqualified (25), 8 years' varied experience, excellent references, desires situation; disengaged. Kindly state salary, 2/40, Office of this Paper.

ASSISTANT, unregistered, 25, desires situation; 8 years' experience in all branches; capable of taking charge or managing branch; excellent reference. Kindly state salary, 2/400, Office of this Paper.

ASSISTANT; unqualified; married; 20 years' varied experience; disengaged February 14th; relief or Locum work not objected to, present position 2½ years. 2/9, Office of this Paper.

ASSISTANT (21), unqualified, with 5 years' Dispensing experience, desires post (London or Liverpool preferred); three years' high-class Dispensing and Counter experience; last two years Dispenser at large Military Hospital; undeniable references. Apply, stating hours, salary prepared to offer, etc., to 2/6, Office of this Paper.

BRANCH, small Prescriber (registered); middle-aged; at liberty. Address "Eastdean," Stamford Road, Bowdon, Cheshire.

BRANCH Manager or Assistant; qualified; Scotsman; 24; experienced, reliable, abstainer; disengaged; North of England or Midlands preferred, not essential; moderate salary. Apply 44/8, Office of this Paper.

CAPABLE unqualified Assistant (26) requires permanency; good all-round experience. Salary and hours to 4/70, Office of this Paper.

CHEMIST, fully qualified, good experience N.H.I. and other work, desires position of trust; salary £4 10*s.* to £5 weekly to commence; London preferred. "Chemist," 5 Wellington Road, Queen's Road, Peckham, S.E. 15.

CLERICAL work, any kind, evenings. Address "F. G." (186/36), Office of this Paper.

COMPETENT Assistant; 30; unqualified; 13 years' experience; married; last berth 6½ years; capable of taking charge; undeniable references; permanency; disengaged; full particulars. Apply 48/33, Office of this Paper.

DEMOBILISED Assistant, unqualified, 28, desires situation in Retail as Junior; abstainer; good references. Apply 4/4, Office of this Paper.

DISABLED soldier seeks post as Assistant, with view to qualification; year at School of Pharmacy, terminates shortly; previous Retail experience. Particulars, etc., 2/2, Office of this Paper.

DISPENSER, lady, desires post in Birmingham; 3½ years' experience; highest references; disengaged. Apply 52/26, Office of this Paper.

DISPENSER (lady), with 12 months' Hospital experience, seeks post with Doctor, Chemist, or at an Institution; London or country town preferred; disengaged now; good references. Miss E. Bennett, 60 Croydon Road, Beckenham, Kent.

DISPENSER, qualified, seeks post in or near Bournemouth, immediate. "X. Y. Z." (51/21), Office of this Paper.

DISPENSER, quick and accurate, 26, Hall qualification, energetic, reliable, capable, seeks post in Chemist's business, with a view to improving Retail experience; excellent testimonials; Student-Associate; demobilised; London only. "Capsicum," 244 Well Hall Road, Eltham, S.E. 9.

DISPENSER (Hall); 2 years' experience with Doctor; excellent testimonials. Miss I. Oliver, Felden, Boxmoor, Herts.

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EVENINGS.—Dispenser, unqualified, requires N.H.I. work, three or four evenings weekly. P.C.B. 35/8, Office of this Paper.

EXPERIENCED unqualified Senior Assistant desires engagement; outdoor; London or near. Morris, 43 Adolphus Street, New Cross.

EXPERIENCED lady Dispenser; Hall; reading for Minor; 3½ years Chief Dispenser high-class Pharmacy; excellent testimonials; interview preferred; short hours; state salary. Replies to be addressed to 1/24, Office of this Paper.

FOR experienced Pharmacist write at once with particulars to Bromley House, 40 Higher Bank Road, Fulwood, Preston.

GENTLEMAN, 35, requires post Manager of good-class business; so charge preferred; personality and highe references; interviews arranged; approx mate salary £312 per annum (if outdoors Write "Serum," 101 Talgarth Roa Barons Court, W.

GENTLEMAN, disengaged shortly, desires situati Assistant or Manager; first-class West-End and experience; excellent references. Apply 3/15, Office o

JUNIOR Assistant (19) requires situation in good-clas disengaged; North preferred. Laycock, Kno Brough, Penrith.

JUNIOR (20); West-End experience first-class Di Counter work; good references; state salary. 33 Ulysses Road, Hampstead, N.W 6.

JUNIOR Assistant (21); 4 years' experience Count pensing, and Photography; recently dem Solomon, Quarry Park Terrace, Bodmin Cornwall.

JUNIOR Assistant, young, tall, energetic, and n work, desires permanency; live in or out; 4 ye ing and Counter experience; East Anglia preferre situation as an older or qualified man was desired. salary to 1/16, Office of this Paper.

LADY Dispenser (Apothecaries' Hall) desires post Institution work; three years' experience; Sus of England preferred. "K." (52/21), Office of thi

LADY Dispenser; Doctor or Chemist; not recentl moderate salary; Apothecaries' qualification. A Office of this Paper.

LADY; Hall; experienced; Chemist and Institu engaged. Apply 53/12, Office of this Paper.

LADY, Hall, requires post, Counter Assistant, wi Chemist; experienced Dispensing and Counter ences. Apply "T.," 59 Hilton Street, Higher Bro chester.

LADY Pharmacist seeks post; 10 years experien testimonials; disengaged. Apply 1/10, Office o

LIVERPOOL or suburbs preferred; sharp busine can increase trade, all-round experience; Photo tistry; in present situation second occasion; stea good references; unqualified. "Statim," 8 Aubery pool.

LOCUM (temporary Manager); 53; qualified; co gaged until March 31st; first-class experienc ences; Photography, Optics; energetic. Dewey, Gardens, Wallington, Surrey.

MANAGER; qualified; 40; reliable; married; ove last situation. "X. L." (50/29), Office of thi

MANAGER or Locum; qualified; 45; single; hi pensing; also N.H.I., Photographic; disengaged 9 Grantbridge Street, Islington, N. 1.

MANAGER; qualified, energetic, elderly man; ac modern trade; good Counterman, Dispenser, reasonable salary; London or provinces. Address of this Paper.

MANAGER or Managing Assistant; qualified; goo West End and Suburban; first-class credentials; married. Apply 1/9, Office of this Paper.

MANAGER; qualified; disengaged; Locum or long experience in all branches; good Prescrib Window-dresser; town or country. D. C., 26 Fox

MANAGER Drug Store or position of trust; most increasing returns; highly recommended; absta preferable. "A." (3/9), Office of this Paper.

MANCHESTER.—Assistant (20½ years) requires years' good Dispensing and Counter experience Pharmacy; 50*s.* Apply 2/36, Office of this Paper.

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MR. KEEBLE, Chemist, Liss, Hants, thoroughly unqualified Assistant (J. Hubbard), age 24, wit record in first-class business; absolutely trustworthy Address as above.

OFFICER, demobilised, 4½ years' service, age 3 experience, 10 in last situation, Senior Assistan Photography, and Buying, desires position of trust; ferred. 176/10, Office of this Paper.

PART-TIME Assistant; male; Doctor or Chemis Associate Student; small salary for experience all Saturday or Sunday. Write 1/17, Office of this

IST, recently demobilised, 29, single, seeks post as t with a view to management; 12 years' excellent Retail, Wholesale, Manufacturing, Laboratory, and hest references; disengaged. Apply Hebblethwaite, l.

IST, experienced, desires position Liverpool District; ged February 23; Dispensing, Counter, Photographic, ing; good Manager. Stansfield, 61 Eagle Street,

IST, young; capable Salesman, Dispenser, Window- and Photographic experience; disengaged Feb. 28, Chemist, 127 Edinburgh Road, Liverpool.

IST, 31, married, abstainer, requires post; good ces; with house preferred; with or without view to Apply 2/13, Office of this Paper.

D. 27, some knowledge of Optics, desires situation hemist-Optician. Taylor, 42 Top Street, Greenacres,

D Dispenser (lady) with varied experience seeks post hemist; Counter work preferred; speaks French. Melrose Avenue, N.W. 2.

D (24); Assistant or Manager; five years' experience h-class Dispensing and Counter business (Buxton); erence; Liverpool or Manchester districts preferred. , 98 Bewsey Road, Warrington.

D Assistant, young, energetic, and tall, wishes n anywhere immediately. Apply 52/30, Office of

D (21) desires position as Dispenser in good-class ncy; Manchester preferred; excellent references. Parr, Street, Higher Broughton, Manchester.

D Chemist as Manager; Light Retail and Dispensing s; Prescriber, Extractor; married, no children; age -time Assistant *pro tem.*, morning, noon, or night; and salary. "Disengaged," 73 Clapham Road, S.W.

D; 29; disengaged. Evans, 10 Elm Street, Fern- dam.

D (27) requires berth as Manager; good references. stating salary, Price, c/o Atkins, Chemist, 71 East worth, S.W.

D (27) desires situation as Assistant or Manager; sent disengaged; South Coast or South of England t not essential. In reply please state full particulars, s, etc., to Ambery, 32 Greenmore Road, Knowle,

D (lady); excellent Dispensing and Counter experi- Locum or permanency. Apply 2/15, Office of this

D, experienced Branch Manager, disengaged; ab- ; excellent reference; permanency; moderate salary able position. Apply 2/7, Office of this Paper.

D Chemist desires post as Manager or Senior Assis- first-class experience in all branches and thoroughly disengaged. Apply 1/29, Office of this Paper.

E, experienced man, 40, desires post as Assistant or ser; recommended by last employer. T. V. Henderson, ey, Chemist, Hebden Bridge.

OR WHOLESALE.—Assistant; 24; demobilised; un- d; six years' first-class experience, Dispensing and manufacturing. Worth, Kents Road, Torquay.

OUGH or District.—Experienced unqualified Assistant disengaged. State salary, hours, etc., to 4/7, Office er.

unregistered; 33 years; married; Extractor; Fillings, sions; not a mechanic; Dispensing; photo; excellent iving accommodation. Toes, 188 Northdown Road,

Managing Assistant, unqualified; exceptionally good nd man; 20 years' experience; first-class references; . Write Thorne, 1 Albion Place, Old Tiverton Road,

LD District preferred.—Assistant, qualified, 28, 6 ft., desires position in suburban or country Retail. Apply thend, 10 Conduit Road, Sheffield.

-ASSOCIATE (27) desires engagement; good experi- Reed, 26 Kensington Gardens, Bath.

-ASSOCIATE (22), 2½ years' experience, abstainer, nticeship interrupted by war service, desires post as nprover in high-class Pharmacy; fluent French; Photo- perience; good Salesman; salary moderate. Write e of this Paper.

UNQUALIFIED, demobilised shortly, age 30, married, seeks position as Assistant in Retail or Wholesale department. States wages, etc., to Sergt. Shelley, M.G.C., Ballyvonare Camp, Ireland.

UNQUALIFIED; high-class Dispensing and Counter experience. "Statim," Bramlyns, Rowland Road, Worthing.

UNQUALIFIED (33), at liberty; good experience. Nelson, 24 West Heath Avenue, Golder's Green, N.W.

WANTED, by an experienced qualified man, a position as Manager of a Retail business in South of England. L. Overton, c/o R. Sumner & Co., 40 Hanover Street, Liverpool.

WINDOW-DRESSER; engagements open; reasonable terms; increases business. Mersey, 12 Edgeley Road, Clapham.

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A GENTLEMAN who has represented one of the leading houses for nearly 40 years is desirous of introducing a young friend to the road; would give him introductions to all the leading London and South Coast Chemists; salary and commission; a good opportunity for a first-class rising house.—Apply P.C.B. 34/30, Office of this Paper.

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ADVERTISER desires post as Managing Clerk or Representative; 17 years' Wholesale Drug experience in both capacities; Yorkshire preferred; knowledge West African trade. Apply 52/36, Office of this Paper.

ADVERTISER about to represent good English house in Egypt, Spain, Italy, and other countries in several sundries, would like to get in touch with English house to represent them in Drugs, Toilet Goods, etc.; part expenses. "Bromide" (53/14), Office of this Paper.

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AS Senior Assistant, Departmental Manager, First Hand, Buyer, or Stockkeeper; 20 years' experience; first-class references; permanency. Write Thorne, 1 Albion Place, Old Tiverton Road, Exeter.

AS Works Manager or Assistant Works Manager; Pharmacist; 20 years' experience in supervision of modern methods of manufacturing, packing, cost records, and storekeeping. Apply 53/18, Office of this Paper.

COMMERCIAL Traveller, age 35, disengaged, sound connection Plymouth to Aberdeen, Perfumes, Essential Oils, Drugs, Chemicals, and Toilet Preparations, Retailers, Wholesalers, Manufacturers, and Exporters, highest credentials, immediate business, is open to represent first-class house of British manufacturers; salary, expenses, and small commission. "T. U." (3/18), Office of this Paper.

GENTLEMAN, Public School education, desires appointment in Wholesale house; 20 years' experience in first-class Retail Chemists' businesses. Apply 3/150, Office of this Paper.

IRISH Traveller at present working all Ireland for leading London sundries house open to accept side-line (non-competitive). Apply 49/29, Office of this Paper.

ITALIAN, intelligent, conscientious worker, competent correspondent Spanish, French, English, Italian, last employment eight years with leading Manufacturing Chemists, requires position with firm offering good remuneration for efficient services; no short hand. Miss Piovano, 16 Comyn Road, London, S.W. 11.

LONDON district, responsible position, wet or dry departments, wanted; all-round knowledge; Galenicals, Toilet Preparations, Ampoules, etc.; can get out formulæ. Apply 52/40, Office of this Paper.

PERFUMES, Toilet Articles, Medicinal Packed Goods.—Advertiser, with good all-round experience in manufacture and packing-room, desires position; suit established firm or one just branching out. Apply 1/40, Office of this Paper.

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QUALIFIED seeks post with Wholesale Manufacturing firm; pre-war experience; good reference. Apply 45/19, Office of this Paper.

QUALIFIED, 24, experienced Retail, nil Wholesale, wishes post in Wholesale house; moderate salary to start. "Ammoniacum," 33 Hill Street, Tillicoultry, Scotland.

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YOUNG man, recently demobilised, experienced in Laboratory, Factory, and Office, is unable to obtain situation; will someone employ him as Chemical Labourer? Apply 27/16, Office of this Paper.

YOUNG Man, with high-class connection in South and West of England, seeks position as Representative for Toilet Lines and Perfumery; first-class references. Apply P.C.B. 35/3, Office of this Paper.

WANTED by Chemist, with good Wholesale connection in the West Riding 3*d.* and 6*d.* Dyes and a few Light Sundries; have also a good opening for a Beef and Malt Wine. Apply 4/5, Office of this Paper.

£400 AND bonus on increase; Sales Manager; highly trained and experienced; qualified. P.C.B. 35/9, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

PHARMACIST (32), well educated, capable and adaptable, whose wife has been ordered abroad, would be glad to hear of a position in South Africa or New Zealand, as Assistant (with view to succession), Manager, or Partner; has carried on a successful business for the last seven years; testimonials and references supplied; abstainer; good climate essential. Reply to 1/8, Office of this Paper.

MISCELLANEOUS.

7s. for 60 words; every additional 10 words 6d.

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Lots divided. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ADVERTISERS are willing to undertake Tin-filling, Bottle-filling, Labelling, Wrapping and Packing, or other work suitable for large staff of girls. "Southwark" (P.C.B. 35/18), Office of this Paper.

CHEMICAL Balances for Sale, 12 each, with and without cases; bargain prices. For particulars, write "Balance," 31 Vicarage Road, Handsworth, Birmingham.

DEXTROSE, pure cryst., about 25 cwt. for Sale; prompt cash; offers invited. P.C.B. 35/4, Office of this Paper.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

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SUGAR OF MILK, U.S.P., for Sale; white refined; in store Manchester; about 600 lb.; want best cash offer. H. C. Beeton & Co., 57 Moorgate Street, E.C. 2.

WHAT Offers?—Chemist's Stock and Shop Rounds, hexagonal stoppers, Jars, etc., for Sale; Gold-leaf Scroll, all named; 21 doz. assorted Shop Rounds; 14 doz. assorted Shop Jars; 2 large Specie Jars on mahogany stand, with gilt arms; 2 2-gall. Carboys; 2 large Mahogany Glass Cases, plate-glass shelves (3 × 4 ft.); about 1 cwt. Glycerine large Stone Mortars, on stands; Bell-metal Mortars; Pill Machine; Dispensing Outfits included also. Apply 175/65, Office of this Paper.

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FIVE pear-shaped Carboys for Sale, about 1½ gall highest reasonable offer accepted; 5½ oun Phosphate, perfect condition, 25*s.* Critchl Blackburn.

WANTED.

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WANTED, Syphon Cases, empty for six. Quantities Wyborn, Chemist, Lewes.

WANTED,—Pulv. Rad. Aristolochiæ. State quanti to Sigrist, Hanham, Bristol.

KODAK Earthenware Developing Tanks; set of 3; siz 42. Isaac, Chemist, Hemel Hempstead.

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